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ESTAB. 1859

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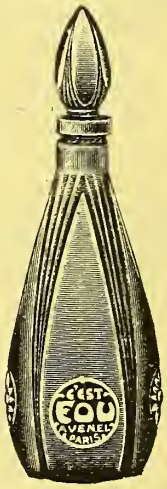

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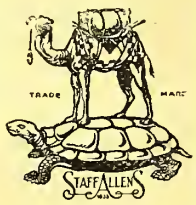

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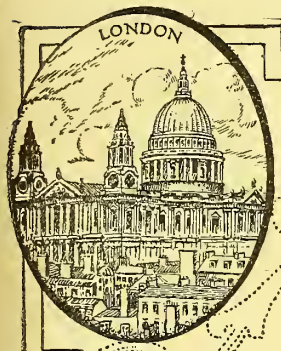

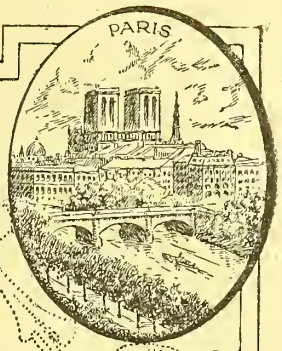

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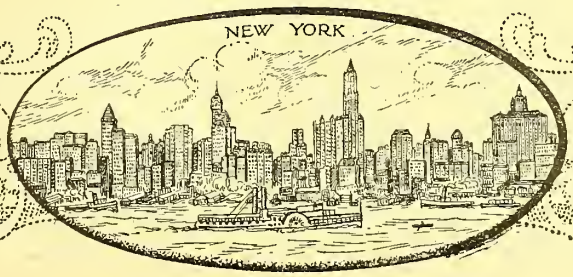
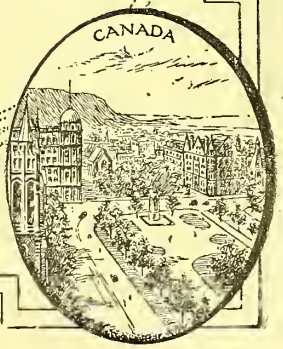




100,000 Free Gift Outfits are creating a HUGE demand for Quin-Quenna & Quinolox

A BOLDLY conceived advertising campaign based on the free distribution of 100,000 Trial Outfits (each costing us 2/6 to produce) is creating a colossal demand for QUIN-QUENNA, QUINOLOX, and BI-PASTRATE OF QUINOLOX.

THE advertisement reproduced on the opposite page is now appearing in the biggest circulation dailies and weeklies of Britain. It is obvious that we should not have embarked upon such a costly campaign were we not sure that a huge and permanent demand for our preparations would result.

IN THE handbook sent with the Trial Outfit the greatest stress is being laid on the absolute necessity of using only our guaranteed preparations for the practice of the Leighton System of Hair Growth Promotion, so it is imperative for you to stock them. We shall send customers to you—not in ones or twos, but in dozens. Don't turn away good business, but be ready to meet the demand that is sure to come by taking one of our monthly parcels. These are supplied on most advantageous terms, and carry special extra discounts. Forceful display advertising matter will be supplied free.

¶ *Send a postcard now for terms and details of our "money back if unsold" guarantee. Address:*

LEIGHTON LABORATORIES

35 Gray's Inn Road LONDON, W.C. 1

THIS Advertisement will bring You Big Business!

Beautiful Hair

follows the adoption of the Leighton System of Hair Growth Promotion.

THIS exceptional offer of a Complete Outfit for the home practice of the Leighton System of Hair Growth Promotion is made to every one, *irrespective of the present condition of their hair.* All with thin, dank and lifeless hair will find the Leighton Triple Treatment almost magical in its action. It really grows new hair, thick, wavy and lustrous. It clears away scurf and dandruff, and enables the scalp to "breathe." It nourishes the roots of the hair, prevents brittleness and splitting of the ends, and stops the hair falling out. It revives and improves the colour, and restores faded hair to its original brightness and beauty.

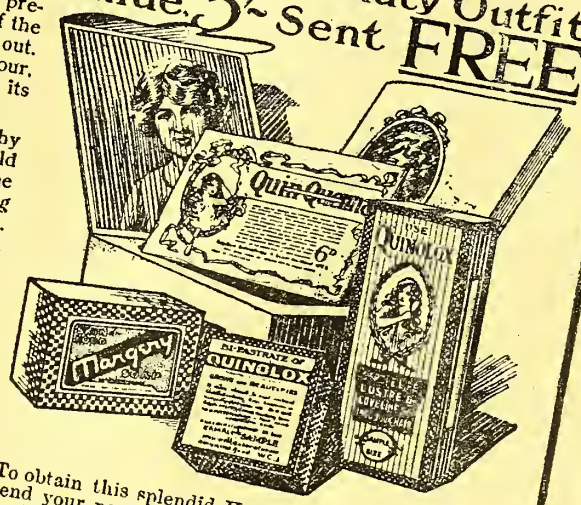
People with an apparently healthy and plentiful growth of hair should adopt the Leighton System as the only dependable means of *preventing* greyness, hair poverty, and baldness.

The Home Treatment Outfit now offered FREE to you, comprises:

1. **QUINOLOX — a thin, golden liquid, non-greasy and delightfully perfumed. A genuine, guaranteed hair grower & tonic.**
2. **BI-PASTRATE of QUINOLOX —Quinolox in solid form, combined with certain highly refined oils. Bi-Pastrate of Quinolox imparts a captivating sheen to the hair, and makes it soft and wavy.**
3. **QUIN-QUENNA. Better than a shampoo. A unique preparation for cleansing the hair and scalp. Compounded of rare herbs and oils.**
4. **The Book of the Leighton System of Hair Growth Promotion, telling exactly what to do to gain a wealth of beautiful hair.**
5. **MARGERY SKIN FOOD SOAP.**

TOTAL VALUE 3/-

This Hair Beauty Outfit Value 3/- Sent FREE



To obtain this splendid Hair-Growing Outfit, merely send your name and address, with 6d. in stamps for postage, to the Leighton Laboratories, as below. Only one FREE Outfit will be supplied to each household. Additional outfits, however, can be had from the Laboratories for 3/- and 6d. for postage.

QUINOLOX - - 2/6 BI-PASTRATE - - 1/9
QUIN-QUENNA 6d. MARGERY SOAP - 1/2

Obtainable at all chemists.

Applicants for Free Outfits should enclose 6d. in stamps to cover postage and address letters to

LEIGHTON LABORATORIES,
D.M. Sample Department,
35, GRAY'S INN RD., LONDON, W.C.1

It is sound policy to stock Goods that ladies use every day—that have a place on their dressing-table

Therefore we counsel you to secure your share of the ever-increasing sale of

VIOLIV CREAM

SELLING TO LADIES

You know how they question around—how persistent they are for ALL information.

Sell them mediocrity — and you know their custom no more.

Sell them quality—they are grateful, pleased, delighted. They tell their friends about you.

Sell them Violiv products — and you are on one of the best propositions you could have to be busy all-the-time.

It is a perfect non-greasy face cream of very fine texture, and delightfully perfumed. By its merit it has achieved the popularity it deserves—and ever-increasing sales have marked its progress since it was introduced.

The selling price is 1/6, which gives a good profit to you—and the satisfied customer, by recommending it, ensures a steady and increasing demand for Violiv Cream.

Your order will receive prompt attention. Send it along TO-DAY. Terms :

1 gross at 11/- per dozen. 1 gross £6 12s.

2½% discount for 1 gross, pots or cartons.
5 % ,, 5 ,, ,, ,,
7½% ,, 10 ,, ,, ,,
10% ,, 20 ,, ,, ,,
7½% discount for cash with order.
2½% discount for 14 days. NET monthly.

Sole Agents—

PATTINSON & MACKIE, Ltd.

Albion House,

59 New Oxford Street - LONDON, W.C.1.

Manufactured by Violiv Manufacturing Co., Ltd., Edinburgh.

V 36 NorAd.

Maw's Page

December 11, 1920. No. 478.

Will your Christmas Business come to an end on Dec. 24 ?

Doubtless you are aiming at record business for Christmas 1920. Do you go a step further ? Are you planning to make regular customers through your Christmas Business, and thus to secure a steady flow of increased business throughout the year 1921 ?

" Parex " Manicure Methods will help you to achieve both these objects. The quality, utility, and attractive presentation of these lines, combined with their suitability as Christmas Gifts, will enable you to secure record business this Christmas.

The facts that " Parex " quality always produces repeat orders, and that " Parex " Manicure Methods are only supplied to chemists, make it equally certain that your Christmas business will bring in its train a lasting, regular increase, and that this increase will come to you and not to outside competitors.

The word " Parex " is the chemist's safeguard. " Parex " Manicure Methods are the chemist's own lines. We definitely refuse to supply them to anybody but chemists. Make this Christmas the chemist's Christmas by using all your efforts to push sales of

"Parex" Manicure Methods

" Parex " is the chemist's protection. It helps him to resist outside competition.

Telephone: "City 7" (Private Branch Exchange).

S. Maw, Son & Sons, Ltd., 7/12 Aldersgate St., London, E.C.1.

Telegrams: "Eleven Cent, London."

Profitable Winter Specialities

Below are given a few outstanding items of interest to-day. They are worthy of renewed attention because :—(1) they have been proved to be reliable; (2) they show a satisfactory protected profit; (3) they are endorsed by the medical profession; and (4) they are made in England.

	Minimum Retail Prices	
Cod Liver Oil Emulsion, P., D. & Co.	*5 oz. 1/8* *8 oz. 2/6* *16 oz. 4/6*	Modern physiological research has justified the well-established practice of the medical profession to give cod-liver oil in malnutrition.
Mentholated Bronchial Lozenges	*Tin of 36 1/3*	Pharmacists who have given prominence to these tablets find that one sale, by repeats and personal recommendation, makes many.
Oral Antiseptic Tablets	*36 1/3* *100 2/-*	A pleasant combination of formaldehyde and menthol with a suitable base. The convenience of the vest-pocket vial (36) is very generally appreciated.
Stimulating Embrocation	*4 oz. 1/9*	An emulsion of oil of origanum, camphor and rectified oil of turpentine, with ammonia, issued in glass-stoppered bottles of distinctive shape.
Capsolin	*1/9*	A convenient external counter-irritant in collapsible tube. May be advantageously used in place of a mustard plaster. Free from unpleasant odour.
Inhalone	*1/3*	An anti-bacterial, soothing and emollient nasal application. Issued in a collapsible tube with an elongated nozzle to facilitate direct application.

Other important preparations are Euthymol Tooth Paste, Euthymol Cold Cream, Euthymol Cream, Euthymol Talcum Powder, Boroseptic Ointment, etc.

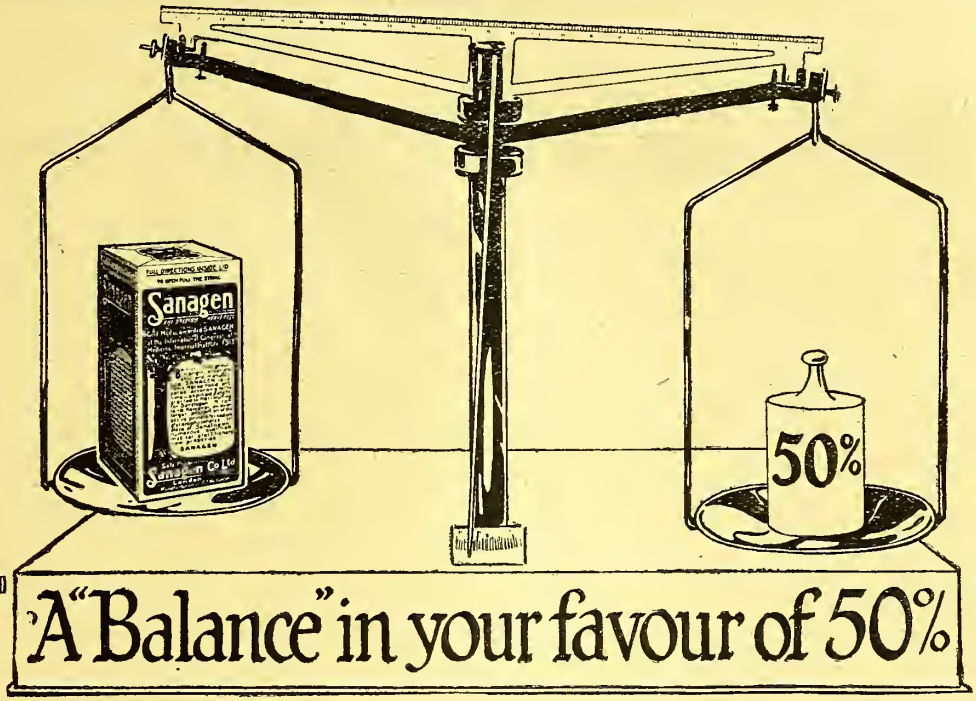
A card will bring you a list with retail and wholesale prices of specialities corrected to date.

Telephone—
Regent 3260
(six lines).

Telegrams—
"Cascara London."

PARKE, DAVIS & CO.,
LONDON, W. 1.

T.J. 85



THINK of the many acts of Public Service you render every week. And the Chemist renders services with more true courtesy and at less weekly profit to himself than others who pay high shop rents and rates and expenses.

Sanagen

Trade Mark Regd

THE ALWAYS BRITISH NERVE FOOD

pays a 50% profit to the Chemist in recognition of his dual Professional and Trading Services, as follows :

SIZES, RETAIL AND TRADE PRICES AND PROFITS.

4 oz.	Costs 2/-	Sells 3/-	PROFIT 1/-
8 oz.	Costs 3/4	Sells 5/-	PROFIT 1/8
16 oz.	Costs 6/4	Sells 9/6	PROFIT 3/2

SANAGEN COMPANY LTD.

Sheepcote Lane, Battersea - - - LONDON, S.W. 11

Telephone: Latchmere 4363.

Bravita

REGD TRADE MARK

VITAMINE NERVE FOOD

"Where can I get it?"

The more "Bravita" becomes known the greater will be the demand for it. We are taking steps to make its merits more widely known. Those who are using it not only speak highly of it, but are recommending it to others. Medical men are *asking for it.* Can you supply?

Medical Testimony

The longer "Bravita" is taken the better it is liked.

L.R.C.P. & S.

Sole Agents and Distributors—

FRANCIS NEWBERY & SONS, LTD.,

CHARTERHOUSE SQUARE, LONDON, E.C.1.

Manufactured by FORGET-ME-NOT, LTD., Nottingham.

YOU MAKE 6d. PROFIT ON EVERY SALE

It will pay you to sell—

G. O. GINGER WINE

(CRYSTALS) and

G. O. ORANGE WINE

(CRYSTALS)

THERE WILL BE A DEMAND THIS XMAS.

Packed in smart 1 doz. outers, containing 8 Ginger and 4 Orange. Attractive Window Bill and smart Showcard included. Retail (P.A.T.A.) **1/6**. Wholesale **12/-** per dozen. Send a P.O. or cheque for **24/-**; we will send forward 2 dozen return, or, if you prefer, include in your next order to your Wholesale House.

Each Tin Makes 2 BOTTLES of DELICIOUS WINE

—by simply dissolving in water.

THE GREENWICH LEMONADE CO.

11 John Penn Street - - - LONDON, S.E. 13.

(J. MILNER, M.P.S., Proprietor)

Phone: Greenwich 947. Tele.: "Cortlimon, Dept, London."

AYRTON'S WEEKLY PAGE

Past the experimental stage!

When you offer your customers our

Ginger Wine Essence

you have the satisfaction of supplying an article that will give entire satisfaction.

The flavour is full and fruity, and will appeal to the children as well as the critic.

Sugar is now decontrolled, and there will be a tremendous demand for Ginger Wine Essence for Christmas Parties, Socials, etc. Why not get your share of this business?

We can supply you with very effective show matter which will make sales easy.

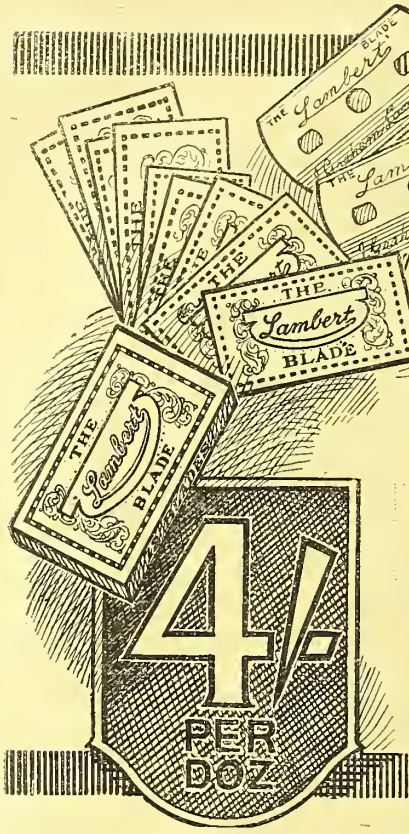
Per dozen - **8/-** Per gross - **93/-**

Dances change,
but the quality of
Glacier Ball Room
Floor Polish
remains the same.
It makes the going easier.

8-oz. size—
Per dozen - **12/6** Per gross - **12/-**
16-oz. size—
Per dozen - **22/-** Per gross - **21/6**

London Agents for
Ayrton's Toilet Articles
and Household Remedies:
J. C. GAMBLES & CO.
49 FARRINGDON ST.
LONDON, E.C. 4

AYRTON, SAUNDERS & CO. LTD
Manufacturing Chemists **LIVERPOOL**



Are you taking part in the Enormous Demand for Lambert Blades?

Thousands of men are daily using and recommending the Lambert Safety Razor Blade—the All-British Sheffield Steel Blade that represents economy in the true sense. The Lambert Blade is a perfect keen-edged blade, passing through twenty-three processes in its development. The Lambert is not a 6/- blade, but retailed at 4/- per dozen; thus the user saves 33⅓ %, and obtains a truly British-made keen cutting blade adaptable to all razors that take wafer-type blades. Satisfy your customers' requirements. Give them Lambert Blades and Safety Razors

Write for terms to-day.

"The Lambert Blade, British Made, Hard and Keen, Shaves you Clean."

THE Lamberts BLADE

FOUR SHILLINGS FOR ONE DOZEN

The Lambert Silver-plated Razor Outfit, retailed at 17/6, surpasses those usually sold at a Guinea.

THE GRAHAM LAMBERT MNFG. CO., LTD., Nottingham Rd., Leicester.

WE SPECIALIZE IN

SAFETY RAZORS

BLADES. STROPPERS.

Each pattern of

Every Standard Make

from stock, at Manufacturers' prices.

List on Application.

H. TILLNER, 172 OXFORD ROAD, **READING,** BERKS.

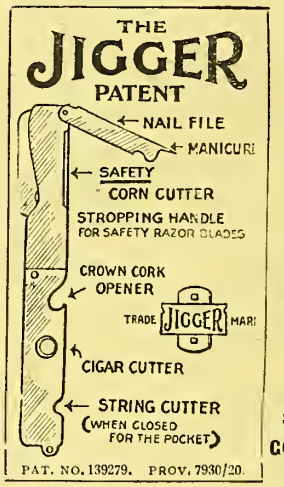
ORDER NOW!

Why throw away your old Safety Razor Blades? Use them in the "JIGGER"

NEAT AND FLAT IN THE POCKET.

PERMANENTLY SHARP

HIGHLY PLATED



RENEWABLE BLADES WHICH COST NOTHING

SHOWS A GOOD PROFIT

Advertised in all the leading papers. Attractive show matter supplied free. Obtainable from all wholesalers, or from

Sole Proprietors—

WATSON, SON & CO.

70a Basinghall Street, London, E.C.2.

[1]

TRADE MARK
TKO
NIL MAGNUM NISI BONUM
K
KEROCAIN.
SALASPIN.
DISTOL OTTOS.
MINERAL
SPRING
HEALTH GRANULES.
SOUCHETS.
VAPEX.
CASTOLS.
ZONE SALT.
LOZENGES, CACHOUS, PASTILLES, EFFERVESCIBLES, COMPRESSIONS, PERFUMERY, LICORICE PREPARATIONS, etc.
The monthly price list of Kerfoot products will be sent regularly to any Pharmacist on request.
THOMAS KERFOOT & Co LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.
COPYRIGHT

HIGH-CLASS
Surgical Dressings

THE THREE TISSUES

	28 lb.	56 lb.	112 lb.
GAUZE TISSUE ...	1/11 ...	1/10 ...	1/8
WOOD WOOL TISSUE	1/9 ...	1/8 ...	1/7
CAPSICUM TISSUE ...	4/6 ...	4/4 ...	4/2

£5 orders Carriage Paid. Packing Extra. Monthly Account.

OR

FOR NET CASH WITH ORDER

We will send quantities of 28 lb. and over, which may be assorted, in free wrapper and carriage paid in the Kingdom.

Mention this announcement when ordering.

Enquire for Absorbent Wool, stating quantity you can handle. Very special offers for bulk buyers.

London Office and Warehouse:

151-157 GOSWELL ROAD, E.C. 1.

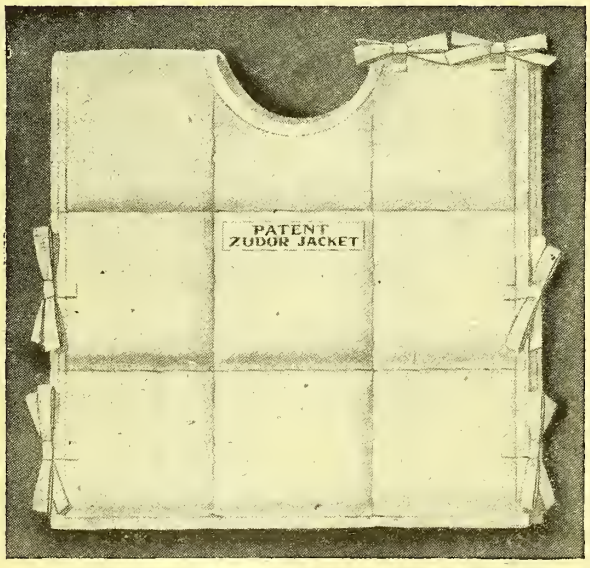
Telephone: Central 3326. Telegrams: "Undisputed, Isling, London."

ROBERT BAILEY & SON, Ltd.,
SURGICAL DRESSING MANUFACTURERS,
MARRIOTT STREET MILLS, STOCKPORT.
CABLES UNDISPUTED, STOCKPORT. CODE A.B.C 5TH EDITION.

CG&Co Ltd TRADE MARK

"ZUDOR" JACKETS

For Chest Colds, Bronchitis and Pneumonia, or as a Chest-Protector recommend—



In Six Sizes and Two Qualities.

(Any special size made to Order.)

No.	Across Chest	Shoulder to waist.	Cotton Wool Per doz.	Retail each.	Lambs Wool Per doz.	Retail each.
1.	8 in.	6 in.	10/-	1/3	16/-	2/-
2.	10 in.	8 in.	15/-	2/-	24/-	3/-
3.	12 in.	10 in.	19/-	2/6	30/-	3/9
4.	15 in.	12 in.	26/6	3/4	36/-	4/6
5.	19 in.	13 in.	32/6	4/2	42/-	5/3
6.	21 in.	15 in.	40/-	5/-	54/-	6/9

Showcards and Advertising Matter supplied with each Order.

CUXSON, GERRARD & Co., Ltd.

OLDBURY, near BIRMINGHAM.

Recognising that chemists hesitate to buy big perfume stocks in these difficult days, but feeling convinced that DAINTY Xmas perfumery will sell almost as well as ever, we have decided to send out all orders received from now till Xmas

CARRIAGE PAID ANY ORDER.

DE LUZY 5/-

Flower Series

Dainty Stoppered Bottles, each in Carton,

40/- per dozen.

14/6 Size (right) **116/-** per dozen,
In Silk-lined Cartons

WRITE FOR XMAS LIST.

W. H. CALNAN & CO., 30-32 Ludgate Hill, London, E.C.4.

RUVOIRE ET CIE

MANCHESTER & ANTIBES.

High-class Concentrated Perfumes made with some of the finest flower oils from the South of France, in high-class rod-stoppered hexagon bottles with gold seals.

ODOURS—

PARMA VIOLET. SWEET PEA.
WHITE ROSE. WHITE LILAC.
WALLFLOWER. LILY OF THE VALLEY.

FREE FROM SPIRIT.

Above combination mounted on artistic card, displaying One Dozen Bottles.

A very attractive and good Selling Line.

APPLY— **A. M. EVANS,**
154 CHURCH LANE, HARPURHEY
MANCHESTER.

ESSENTIAL OILS

Synthetic and Artificial

PERFUMES

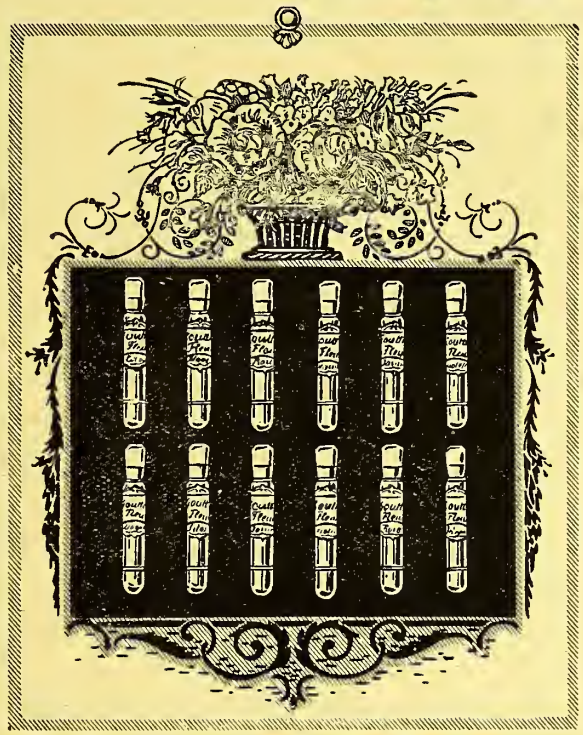
TERPENELESS SOLUBLE OILS

A Speciality.

SOCIÉTÉ FRANCAISE DE PRODUITS AROMATIQUES
(Anc. Etabl. GATTEFOSSÉ)
13 Rue Camille - LYON (France)

Agents for United Kingdom :
FORWOOD & DONALDSON, 26 Ropemaker St., Finsbury, London, E.C.1 [1]

"ATUKO"



No. 901.—Put up 1 Dozen on Fancy Card, with rod.

A. THOMAS & CO.

CONCENTRATED PERFUMERY.

We hold a large and assorted stock for you to select from. Secure your requirements for Xmas Trade. We can also supply immediately a good assortment of Fancy Bottles, containing best quality Perfumes with 80% alcohol, put up in high-class packing, at exceptionally low prices. Illustrated Catalogue with Price List on application.

We specialise particularly in Exporting Perfumery and have a special Export Catalogue. We also undertake to supply Perfumery made to customer's sample.

No. 910.
In Gilt Case with rod.

No. 907.
In Boxwood Case with rod.

No. 904.—On Showcard for Counter, with rod.

No. 803.—In Fancy Bottle with rod.

Sole Representatives for the British Empire—

S. MURRAY & CO., LTD.

11 FARRINGDON ROAD, LONDON, E.C. 1.

Telephone: City 4107.
Telegrams: "Depressors Smith, London."

N.V. CHEMISCHE FABRIEK "NAARDEN"

BUSSUM, HOLLAND.

ESSENTIAL OILS, &c.

for the Soap, Confectionery, Mineral Water, Tobacco and Allied Trades.

SPECIALISTS

in the manufacture of SYNTHETIC Products for the Perfumery Trade.

Flor. Oils. Pharmaceutical Oils. Chemicals.

LARGE STOCKS IN LONDON.

Apply for Price List to—

GERALD BROMAGE & CO., 9-10 Foster Lane, E.C. 2

Telephone: CITY 4719

AMERICAN

ESSENTIAL OILS

"MOHAWK" BRAND

OIL PEPPERMINT (Natural)

OIL CEDARWOOD
OIL CEDARLEAF
OIL HEMLOCK
OIL BIRCH

Heliotropine Crystals C.P.
Vanillin C.P.
Coumarin C.P.
Oil Wormseed, American.
Oil Wintergreen Leaf U.S.P.

MAGNUS, MABEE & REYNARD, Inc.

Essential Oils, Chemicals and Drugs,

NEW YORK - - U.S.A.

Cables—"MAGLAUR."

"ARETHUSA"

Brand

ESSENTIAL OILS

LEMON, ORANGE (Sweet & Bitter)
BERGAMOT :: MANDARIN

Guaranteed absolutely pure

The Brand that covers only Finest Quality Oils.

Manufactured by the old-established house of FRATELLI JUNG (Est. 1867) Palermo, Messina, Catania.

ASK YOUR USUAL SUPPLIERS
to deliver you "**Arethusa**" Essential Oils, or apply to the London Agents:

Gerald McDonald & Co.,
9 BOTOLPH LANE - E.C.3.

Telegrams: "Spicebush, Bilgate, London."
Telephone: Avenue 206 (3 lines, 7 extensions).

The Secret of the Success of

PREEMO

Concentrated Essences, Floral Ottos & Compounds

Is their Undeniable Value.

The reason why the Preemo Lines are such a great success is because they have gained their leading position in the Perfumery World through sheer merit and their brilliant outstanding qualities have raised them far above the level of ordinary makes.

To secure this proud position we spare neither time nor money to produce products of the Highest Quality and in the manufacture of the Preemo Lines there is no lack of attention to detail, which is so often the case with those of other makes, and which causes the result to be unworthy of classification as a high-grade product. We maintain a staff of experts which is continually investigating and making scientific researches so that Preemo may retain and acquire all those qualities that go to give these famous products the leading position among all other makes on the market to-day.

If you have not already tried these first-class Products send for FREE SAMPLES, which we will gladly forward on request.

PREEMO CONCENTRE & ESSENTIAL OIL CO.

63 HIGH HOLBORN, LONDON, W.C. 1. Telephone: Holborn 3095.

32 Rue de Montenotte, PARIS. Telephones: Wagram 27-35.

NEW YORK—97 Warren St., Telephone: Barclay 304.
127 Duane St., Telephone: Canal 4368.

TERPENELESS OILS

BRITISH MADE

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)
Bay
Bergamot
Caraway
Cassia
Cinnamon
Clove
Dill
Geranium
Ginger
Juniperberry
Lavender
Lemon
Limes
Mandarin
Nutmeg
Orange
Peppermint
Petitgrain
Rosemary

CITRAL
EUCALYPTOL

CINNAMIC
ALDEHYDE
GERANIOL

SICILIAN

LEMON - BERGAMOT
ORANGE - MANDARINE.

SPINELLI

The Oils that have a Long Reputation for Quality.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that the "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is a quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity.

HOLLANDS DISTILLERY LTD.

Lavington Street, Southwark, LONDON, S.E. 1.

A B C Code, 5th Edition.
Western Union.

Telegrams: "LANDSLOH LONDON."
Telephone: Hop 898.

AUSTRALIAN AGENTS.—OURY, MILLAR & CO., LTD., 350 Kent Street, SYDNEY.
INDIAN AGENT.—Mr. W. CARR, c/o GRINDLAY & CO., BOMBAY.

Synthetics, etc.

Acid Butyric
Acid Cinnamic
Anethol
Amyl Butyrate
„ Formate
„ Salicylate
„ Acetate, Confectionery
„ „ Technical
„ Valerianate
Anis Aldehyde (Aubepine)
Benzyl Acetate
„ Alcohol, Best
„ „ Techn.
„ Valerate
Benzaldehyde
Benzyl Benzoate
Cinnamic Aldehyde
Citral, No. 1
„ No. 2
Citronellol
Conmarin 100%
Ether, Acetic
„ Œnanthic
„ Benzoic
„ Rum
„ Butyric
„ Valeric
„ Formic
Eucalyptol
Geraniol Acetate

Courtin & Warner

CHEMICALS, DRUGS, ESSENTIAL OILS, SYNTHETICS, Etc. Etc.

FOR

Wholesale Chemists, Druggists, Soap Makers, Confectioners and Allied Trades.

List of Chemicals, Drugs, etc., will appear in next issue.

8 Harp Lane, London, E.C.3.

Telegrams—
"ACCOURTIWA, BILGATE, LONDON."
Telephone—
AVENUE 2220 AND CENTRAL 9521.
Codes—
LIEBER'S; A B C, 4, 5 & 6 ED.; BENTLEY'S.

Synthetics, etc.

Lilac (Exquisite)
Geraniol (for Perfumery)
„ No. 2
„ (for Soap)
Heliotropine
Iso Buthyl Alcohol
Jascinthe
Jasmin, Pomade
Linalyl Acetate
Linalool
Mayaline
Methylacetophenone
Methylanthranilate
Methylbenzoate
Methylsalicylate
Muguet "Surfleur"
Musk, Tonquin
„ Xylol
Neroli, Surfleur
„ Artificial
Phenol Ethyl Alcohol
Rhodinol
Rose (Exquisite)
Sassafras
Safrol
Terpineol, French
„ No. 2
Terpenyl Acetate
Terpinol
Vanillin 100%

FOOD COLOURS

Guaranteed pure and harmless, complying with the Pure Food Laws of the U.S.A.
MADE BY
HEATH MANUFACTURING CO., St. Louis, U.S.A.

SYNTHETIC PERFUMES, ESSENTIAL OILS, FLOWER OILS, HIGHLY CONCENTRATED FRUIT ESSENCES, etc.

MANUFACTURED BY
Messrs. POLAK & SCHWARZ, Ltd., Zaandam and Hilversum (Holland).

BOTTLE CAPSULES for all kinds of Bottles and Jars

MANUFACTURED BY
Messrs. CHEMISCHE FABRIEK "THALES," Amsterdam.
PLEASE APPLY FOR SAMPLES AND PRICES.

K. B. MAVLANKAR, "Minerva House," 26-27 Hatton Garden, London, E.C. 1,
And at 29 Corporation Street, MANCHESTER.

Telegrams: "Ekdum London." Codes: A B C (5th Edit.); Bentley's. Telephone: Holborn 2499.

XMAS

YOU CAN SATISFY THE DEMAND FOR USEFUL AND ACCEPTABLE PRESENTS BY ORDERING A STOCK OF

COOK'S GIFT CASKETS

Of rich Bouquets and Luxurious Soaps exquisitely packed for presentation.

"RIVERA" ELITE TOILET SOAP AND PERFUME.

VIOLET CREAM SOAP AND PERFUME.

"THRONE" TOILET SOAP AND PERFUME.

"RIVERA" CASKET.

"THRONE" CASKET.

IT IS NOT TOO LATE. *SEND YOUR ORDER NOW.*

EDWARD COOK & CO., Ltd., Bow, London, E.3

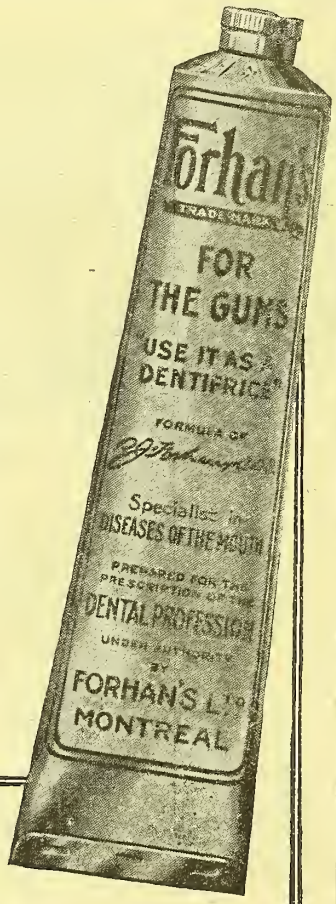
Used Consistently— It Prevents Pyorrhea.

Forhan's For the Gums is a specially prepared medicinal dentifrice combining preventative and curative qualities for the home treatment of Pyorrhea. Forhan's, used in time and used consistently, positively prevents Pyorrhea.

Not only do the foremost dentists everywhere prescribe it in conjunction with their instrumentation, but our nation-wide magazine and newspaper advertising campaign, explaining its gratifying merits, has brought Forhan's For the Gums to the notice of an entirely new public.

Some of these people may be customers of yours who are forced to go to your trade rival for their supply of Forhan's. Prepare to profit from our advertising by placing your order for Forhan's to-day. It comes in convenient tube form, in one size only. Prices and full information on request.

Sole Agents:
Thos. Christy & Co.
4-12 Old Swan Lane, LONDON, E.C. 4.



Forhan's
FOR THE GUMS

To Satisfy your Customers Is to Increase your Business

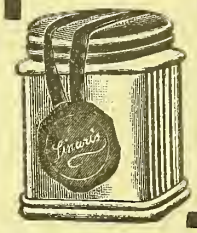
LINARIS TOILET PREPARATIONS

(1) Give absolute satisfaction—Guaranteed
(2) Are prepared from the finest Drugs obtainable.
(3) Show splendid profits to the Retailer.
(4) Invariably bring repeat orders.
(5) Are beautifully packed in Opal-topped Jars and large golden boxes tied with purple ribbon. Make a splendid counter show.

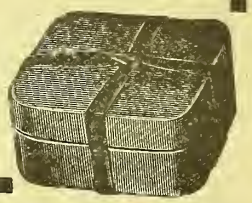
LINARIS Vanishing Cream
LINARIS Bath Powder
LINARIS Henna Shampoo Powder
LINARIS Camomile Shampoo Powder
LINARIS Massage Cream
LINARIS Tonic Cream
LINARIS Beauty Cream
LINARIS Face Powders

Profit of over **33⅓%**

Send direct to
LINARIS TOILET PREPARATIONS (Dept. X)
31 Westbourne Grove, London, W.2



Carriage paid on all orders over £5.



WE MAKE IN ENGLAND

GLASS BOTTLES

ESTABLISHED 1880

TRADE MARK

WE import from our special works in France and Belgium all kinds suitable for Chemists, Perfumers, Essence Manufacturers and all kindred trades. We are in a position to give prompt deliveries of reasonable quantities in a reasonable time. Prices on application.

STOCKS OF VARIOUS SHAPES & SIZES.

A. Ruch & Co., Ltd.

Geo. G. Forsyth,
28 MARTIN LANE, CANNON STREET, LONDON, E.C. 4.
Telegrams—"Sennock, Cannon, London."
Telephone—Central 4799.

DENTIFRICES DE BOTOT

Dentifrice de BOTOT is just that something out of the Common. The quality is of the very highest grade, put up in the best French style.

EAU DENTIFRICE DE BOTOT

The famous liquid Dentifrice in all sizes.
The only Dentifrice approved by the Paris Medical Academy.

PATE DENTIFRICE DE BOTOT

In large tubes to retail at 1/6 - 12/- per dozen.
In small tubes to retail at 1/- 8/- per dozen.

SAVON DENTIFRICE DE BOTOT

The Original French Dentifrice.
In Aluminium boxes to retail at 1/- 8/- per dozen.

Complete price list of BOTOT'S High Class PARIS. Perfumery and Dentifrice on application.

SOLES AGENTS for GREAT BRITAIN :

VAN OPPEN-ROSS Ind Ltd

38, Basinghall Street LONDON, E. C.

TÉLÉPHONE: CENTRAL 3032

BOURJOIS

PARIS.

POUDRE de RIZ de JAVA

No. 45.	2/- Size.
1 doz. ...	16/- doz.
6 „ ...	15/9 „
12 „ ...	15/6 „

No. 495.	1/3 Size.
1 doz. ...	11/- doz.
6 „ ...	10/9 „
12 „ ...	10/6 „

The P.A.T.A. prices for "Poudre de Riz de Java" are 2/- and 1/3 per box.

"JAVA" Powder is now being largely advertised to the public.

LOOK TO YOUR STOCKS.

A. BOURJOIS & Cie, Ltd., 66 Carter Lane, LONDON, E.C. 4.

Also manufacturers of the celebrated "ASHES OF ROSES," 15/- per dozen.

ESTABLISHED 1889

SEND FOR

Sprinklers

TO

R. LECONTE & CO. *CAPPING MATERIALS SPECIALISTS,*

7 & 8 South St., Finsbury, London, E.C. 2

Phone: CLERKENWELL 1588. Wires: "ETNOCEL, AVE, LONDON."

The Dye with a Reputation for reliability.

ROYAL COURT HAIR DYE

SEVEN SHADES.

1/6 size 12/- doz. 2/6 size 18/- doz. P.A.T.A.

The only dye giving a natural gloss to the hair.

From all wholesalers or direct

S. KNOX-WALKER & Co., Ltd., 422 Kingsland Rd., London E. 8.

CHAMOIS LEATHERS

AND SCALLOPED EDGE FACE CHAMOIS.

All Grades made.

Buy Direct. Best Possible Value. Send for Price List.

F. B. MEASURES & CO., Myrtle Works, Sandon St., NOTTINGHAM.

ROURE BERTRAND FILS, GRASSE. *Established 1820.*

LAVENDER (French), SPIKE LAVENDER (French and Spanish)

NEROLI, GERANIUM (African and Bourbon), SANDALWOOD, PETITGRAIN (French and American), VETIVER (Java and Reunion), ROSEMARY, BOIS DE ROSE FEMELLE, YLANG, &c.

ORRIS CONCRETE and LIQUID.

ESSENCES, SOLIDES and LIQUIDS from flowers. RESINOIDS and POMADES.

We have Stocks in London of the most important Essential Oils and Perfumery Products.

JUSTIN DUPONT, Argenteuil (S. & O.), France

Makers of SYNTHETIC PERFUMES

and some of the finest original odours extant, for Sachets, &c.

SOLE AGENTS FOR THE UNITED KINGDOM:

STEPHENS BROTHERS & CO., 2, 5 & 6 Bury Court, St. Mary Axe, London, E.C. 3.

Wholesale Houses only supplied.

MARSHALL'S

Lysol

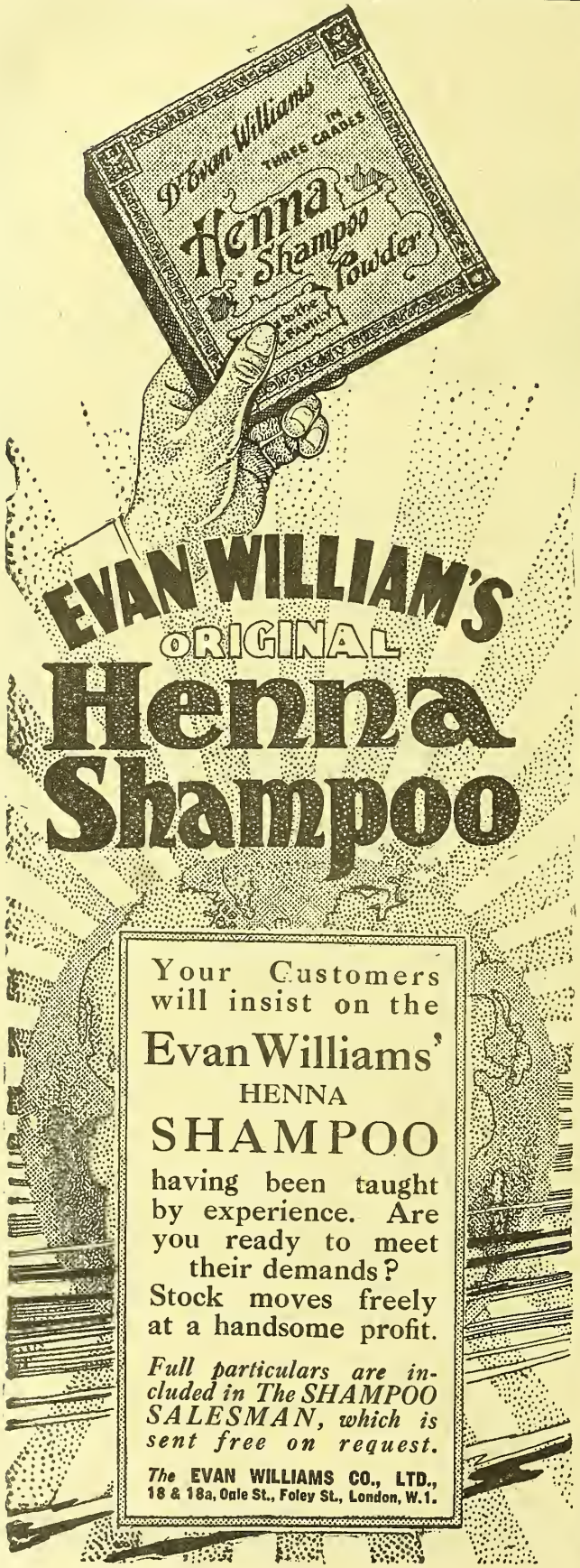
This ENTIRELY BRITISH-OWNED Product is now made in our New Factory at

RAYNES PARK LONDON, S.W.19

Pharmacists are asked to specify Marshall's Lysol ("L" Brand) when ordering from their wholesaler in order to obtain the standard British article.

LYSOL LIMITED, RAYNES PARK, S.W.19.

Telegrams: "Lysolant, Cotten, London." Telephone: Wimbledon 339/340.



Your Customers will insist on the

Evan Williams'

HENNA

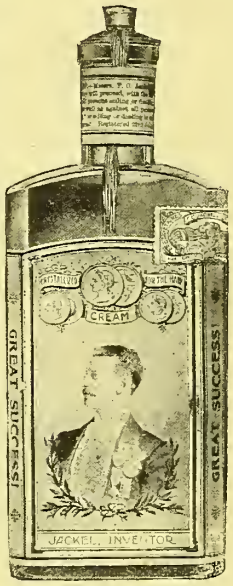
SHAMPOO

having been taught by experience. Are you ready to meet their demands? Stock moves freely at a handsome profit.

Full particulars are included in The SHAMPOO SALESMAN, which is sent free on request.

The EVAN WILLIAMS CO., LTD., 18 & 18a, Ogle St., Foley St., London, W.1.

"Jackel's Cream"



CRYSTALLISED CREAM

1/9 2/6

Trade Mark attached to each bott'e.

(without Grease) *for* THE HAIR

Sold everywhere

Established 1883.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

Jackel et Cie (of Paris) Ltd.,

Sauchiehall Street

GLASGOW.

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."

A big vigorous, impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO

THE HAIR GROWER

Price 2/9

Wholesale: **26/-** PER DOZEN.

TATCHO-TONE

FOR GREY HAIR

Price 4/6

Wholesale: **42/-** PER DOZEN.

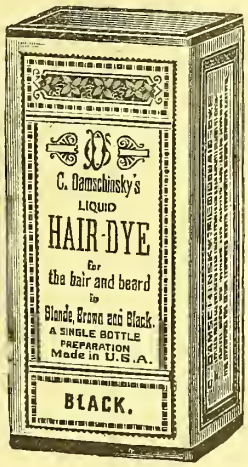
GEO. R. SIMS' HAIR RESTORER CO.

5 Great Queen St., Kingsway, LONDON, W.C.2.

C. DAMSCHINSKY'S

AMERICAN LIQUID DYE.

Single Preparation for the Hair and Beard.



This excellent Dye has an enormous Sale all over the World.

MADE IN
FIVE NATURAL SHADES,
BLONDE, LIGHT BROWN,
BROWN, DARK BROWN,
AND BLACK.

2/- Size 15/- per doz. net.

3/- „ 22/- „ „ „

SIMPLE TO USE.
WILL DYE
RED, GREY OR FADED HAIR
TO THE DESIRED SHADE
IN A FEW MINUTES.
IT IS NOT A BLEACH.
WILL NOT DYE DARK HAIR
LIGHTER.

From all Wholesale Houses or direct from sole British Agents :

OSBORNE, GARRETT & CO., LIMITED,

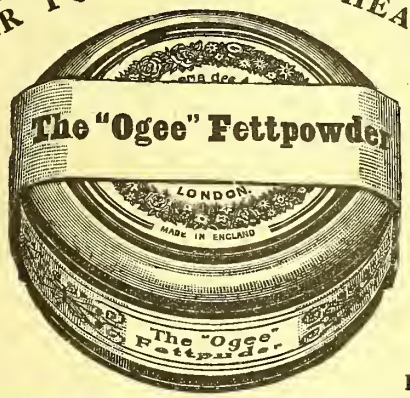
LONDON, BIRMINGHAM AND GLASGOW.

THE "OGEE" FETTPOWDER.

THE Ogee

THE Ogee

THE PREMIER POWDER FOR THEATRICAL USE.



In White, Rose, Natural and Rachel.

PRICE **12/6** PER DOZEN.

PROPRIETORS OF

THE CELEBRATED "OGEE" BRAND OF GREASE PAINTS,

AND THEATRICAL PERFUMERY.

OSBORNE, GARRETT & CO., LIMITED,

BIRMINGHAM. **LONDON, W.** GLASGOW.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo.	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads	36/-	4/-
BARSYDE - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - To check excessive prespiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
HARAPOSA - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

INDIA:
KEMP & CO., Ltd. (Bombay)
THE INTERNATIONAL TRADING CO., Princess Street (Bombay)
R. MACLURE (Madras)
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta)
JAMNADAS BROS. (Bombay)

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA:
DEARBORN, Ltd., Calle Salta 264, Buenos Aires.

SALES ALWAYS INCREASING.

INDIAN PERFUME BRICK

KEEPS AWAY MOTH.
LASTING & FRAGRANT.

FOR LINEN CUPBOARD AND WARDROBE.

On the P.A.T.A. *Retail Price* **6d.**

WANDA TOILET PUMMICE.
WANDA NAIL POLISH.
WANDA ONE-DROP PERFUME.

Of the Makers:

WILLIS, LOW & DRUIFF, LTD.,
33 Percy St., London, W.1.
AND ALL WHOLESALERS.

KEENOLIA Hair Cream.

MADE UP IN TWO SIZES:

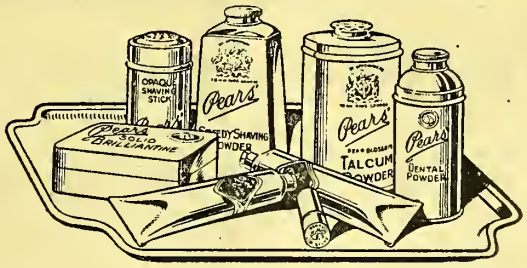
4 oz. retails at 1/3
8 oz. ,, ,, ... 2/-

Attractive Showcards supplied GRATIS.

From all Wholesalers, or direct from Manufacturers.

The . .
"CASSON BRAND"
COLD CREAM
LANOLINE
LAVENDER ICE

THE
CASSON CHEMICAL CO.
LIMITED,
44a WESTBOURNE GROVE, LONDON, W. 2.
Telephones: Park, 2884 & 3568.



Pears' Golden Series as a Christmas present is a suggestion of value which cannot fail to please your customers.

Pears

A. & F. Pears, Ltd., 71-75, New Oxford Street, London, W.C. 1.

Monthly 5-Guinea Cash Prizes Open to all Retailers

To Stimulate New and Enterprising Sales-Making Ideas.

TAKE a look at your window. Look at it from the point of view of a critic asking himself if it shows the best possible kind of window display to arrest and hold the attention of passers-by. Next, think over the all-important question whether your window is paying its rental value.

The window costs every Retailer from 50% to 75% of his rent, and as such should pay the tenant a good profit.

Windows there are a-many that are not paying their high proportion of the rent, and immediately this fact is perceived some enterprising and successful new sales-making ideas are bound to arise in the mind of the Retailer.

A Retailers' Revealing Experience.

A London suburban Retailer has had a most encouraging experience of the value of new sales-making ideas in the dressing of his window.

It all arose out of a challenge which this open-minded Retailer accepted in the true British sporting spirit. The story may be briefly told. When the Dentalos Co.'s traveller called on him, he said he was "full up" with dentifrices. The way in which he said it implied that he was more than 'full up"—he was "fed up."

The traveller noticed that this Retailer's display did not make the most of its real value, and he offered to dress his window. The chemist agreed, and the traveller made an effective display with "Dentalos" Dental Foam, also tooth brushes and other kindred lines. The result was that this Retailer telephoned for further supplies the next day, and sold within four days a gross and a half of "Dentalos," besides greatly increasing his average sales of many other lines as the direct result of the eye-arresting display bringing in many more customers than his usual "ordinary" window.

True, no small measure of this success was achieved by reason of the central display of the "Dentalos" Prize Competition Show Bill. This Show Bill offers a 120-guinea Fur Coat, or any 1921 Model Motor Cycle or Scooter, as exhibited at the Olympia Exhibition, 1920, for a title for the new "Dentalos" picture poster featuring the "Dentalos" Trade Mark.

Every retailer who would like to enjoy a similar experience of the sales-making value of the same window-dressing idea is here invited to try for one of the monthly 5-guinea Cash Prizes offered to the Trade, and names of the winners of which will be announced in *The Chemist and Druggist* monthly.

The 5-guinea prize is offered for the most interesting "Experience" of the sales-making value of the "Dentalos" Window Display, accompanied by a snap-shot of the display for publication for the information and encouragement of other Retailers.

This idea is really worth trying, for there is also a £25 Cash Prize offered to the Retailer who supplies the winner of the Public Competition with his or her "Dentalos"—and every Competitor has to give the name of his Retailer.

The Dentalos Co. will be pleased to supply the same Show Bills with any size order for "Dentalos" Dental Foam. The Trade Terms are inviting, namely: Retail at 1/3 per tube (Trade at 10/6 per dozen, net monthly a/c, or 5% discount for cash with order.) FREE BONUS to those desirous of trying out this sales-making idea whole-heartedly. 1½ DOZEN TUBES FREE with every order for one gross. Carriage paid on all Cash Orders.

Another point of this proved sales-making idea to note is that many of the buyers of "Dentalos" are buying not one tube at a time, but 3's, 6's, and even dozens of "Dentalos"—which every Chemist will agree has points of superiority ensuring future sales to all who try it.

Where Assistants are employed, here is a chance to awaken *their* interest in sales-making window and counter displays, by the offer of a share or the whole of the Prize Money.

Reading and Thinking are no good without Action—so why not send in your order to-day to—

THE DENTALOS CO., 22 CHARTERHOUSE SQUARE, LONDON, E.C. 1.

B B

"BORALIA" (*Registered*)

Coconut Oil Shampoo

Plenty of show matter with all orders.

Smart attractive get-up.

Good value. Quick sales. Good profit.

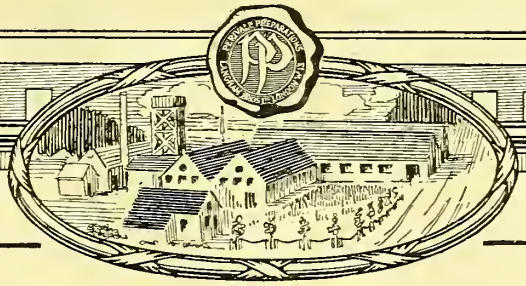
TWO SIZES:

4-oz. square bottles	...	12/6 doz.	Retail 1/9
2-oz. flat bottles ...	...	8/- ,,	,, 1/3

POTTER & CLARKE Ltd., 60-64 Artillery Lane

LONDON, E.

And 24 Luna Street, Great Ancoats, MANCHESTER.

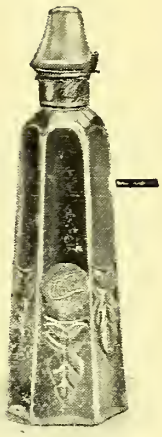


"Perivale" *Page.*

"Perivale" Brilliantine.

"PERIVALE" PREPARATIONS FOR THE TOILET.

"Perivale" Solid Brilliantine.



"Perivale" Liquid Shampoo.

A Toilet Series of Exceptional Merit

THE three articles which we illustrate this week are further examples of the fine quality and style of "Perivale" Preparations.

"Perivale" Brilliantine in both liquid and solid form, and "Perivale" Liquid Shampoo, are typical of all our other lines, representing the finest quality of materials put up in the most attractive manner and retailing at moderate competitive prices.

We allow you good handling profits, with bonus for window displays, and supply attractive sale-promoting window and counter cards.

We are out to help you make good profits, and at the same time add prestige to your establishment by the display of high class articles at prices within the reach of your average customer. Write to-day for our Price List and Samples.

"PERIVALE" PREPARATIONS.

"Crême de Menthe" Tooth Paste.
"Perivale" Vanishing Cream (non-greasy)
"Perivale" Hair Cream.
"Perivale" Brilliantine.
"Perivale" Mouthwash.
"Perivale" Liquid Shampoo.
"Perivale" Solid Brilliantine.
"Perivale" Old English Mitcham Lavender Water.

HAVE YOU entered for our Window-Dressing Competition £100 in Prizes. Write for particulars and entry form to-day.

LANGHAM BROTHERS, LIMITED,
MANUFACTURERS OF **PERIVALE,** *FINE CHEMICALS,* WEST EALING, W.13.

A Window-display of

"Blue Diamond" Cold Cream

is

Attractive — Profitable — Seasonable

The original of this display measured 5 ft. × 4½ ft. The colour scheme is carried out in two shades of blue and makes a striking and attractive display. The showcards, price tickets and window-bill are given with orders for 6 dozen (assorted) and upwards. Name and address printed on labels.

PRICES : 9d. Size, 5/6 doz. 1/3 Size, 8/6 doz.

Gross lots, assorted, 5/- & 8/- per doz.

Terms: 5% for Cash in 7 days or Monthly Accounts, net.
Carriage Paid on £3 orders — Cases free.

RAYMET & CO., LIMITED,
507/509 HARROW ROAD, LONDON W.10

Hovenden's Toilet Preparations.

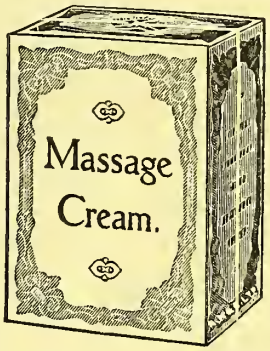
Attractive in Appearance, Reliable in Quality and Delicately Perfumed.

SEASONABLE — Suitable for High-Class Trade.

SALEABLE — Bear our Trade Mark as a Guarantee of Quality.

WHITE.
No. 4764. 2-oz. size.
13/- doz.

No. 4766. 2-oz. size.
13/- doz.

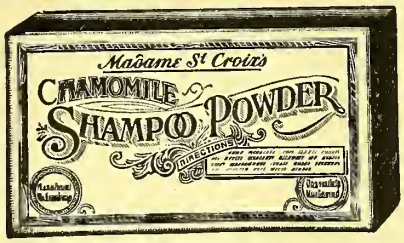


No. 4765. WHITE. **13/-** doz.
No. 4768. 2-oz. size. PINK (Non-Greasy). **13/-** doz.

THE LATEST POPULAR SERIES.

Invaluable for all Toilet Purposes.

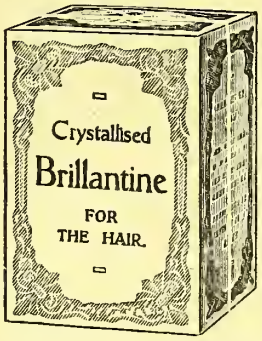
No. 4767. 2-oz. size.
13/- doz.



CHAMOMILE,
CHAMOMILE & ROSEMARY, PINE.
No. 4747. 7 packets in carton.
12/- doz. cartons.

Any article on this page can be supplied with Customer's Name and Address, in 1 gross quantities, FREE OF EXTRA CHARGE.

Each in Artistic Carton with Transparent Covering.



ASSORTED PERFUMES.
No. 4762. 2-oz. size.
12/6 doz.

SPECIAL QUOTATIONS FOR LARGE QUANTITIES.

Subject to 2½ per cent. Cash Discount.
A copy of our Monthly Illustrated List will be sent on application.

R. HOVENDEN & SONS, Limited

89, 91, 93 & 95 City Road, Finsbury, E.C.1. Tel. No.: Clerkenwell 1260 (2 lines); and
29, 30, 31, 32 & 33 Berners Street, Oxford Street, W.1. Tel. No.: Museum 2810 (3 lines) **LONDON.**

Factory, 41 to 53 Britannia Row, Islington, N.

THE
"Culmak"
SHAVING BRUSH

See the Guarantee Label

SELLING PRICES
4/6 to 15/-

To be obtained from all Wholesalers

IT PAYS YOU **33 1/3 %**

P.A.T.A.

Ever-Increasing Demand

MIMOSA VIOLETTE

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HOUPPES

SATIN ⊙ Perfumed Sachet Pads ⊙ BOXES

ODORANTES

CARNATION PINKS

LILY of the VALLEY

FROM YOUR WHOLESALER or Write

A. E. DEPRETER
24 HOLBORN. LONDON. E.C. 1.

G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

BEST BRITISH BRUSHES

Please write for full Particulars to—
75 Farringdon Road, E.C. 1.

MANICURE Sets, Sundries.
Carded or Loose

PUFFS Handkerchief, Bag, Silk Top.

YOUR ENQUIRIES INVITED.

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16 Southwark St., London, S.E.1.
Telephone: Hop 3419. Telegraphic Address: "Verdurous, Boroh, London."

Perfumery of Distinction . .

From the Famous French House

Parfumerie D'Orsay

Chemists who are looking for high-class goods which they can recommend with confidence should take note of the following :—

FINOLETTE - - - 20/3
CHEVALIER D'ORSAY - 11/3
CHYPRE D'ORSAY - - 9/5
ROSE D'ORSAY - - - 9/7
POUDRE D'OR - - - 2/6
(the well-known Parisian Face Powder in various perfumes).

Although D'Orsay Perfumes are well known in England, we are now advertising them largely to create a bigger demand. We have just placed advertising contracts for whole pages with the *Tatler*, *Vogue*, and *Sketch*, and our firs advertisement will appear in the early December issue of *Vogue*.

To meet this increased demand we are keeping in London a large stock of the most saleable lines, so that we can meet at once the requirements of our customers.

If you have not yet placed your order for D'Orsay, write to us at once—only a few days left. Do not miss this opportunity to increase your Xmas sales.

Sole Agents for the U.K. and S.A.—

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Phone : Central 8799.

Featheredge
TRADE MARK

RUBBER SPONGES

Are durable and do not harden. When used with soap, they make a delightful lather.

Obtainable of all Wholesale Druggists' Sundries Houses

MARKT & CO., LONDON, LTD.

American Merchants

SOLE IMPORTERS

98-100 CLERKENWELL ROAD, LONDON, E.C. 1.

9 & 10 St. Andrew's Hill, LONDON, E.C. 4 Tel. : CITY 3125.

SEND TO VERNON POWELL LTD. FOR

COMBS

TOILET ARTICLES

DRUGGISTS' SUNDRIES

Wholesale and Export ONLY.

COMBS

DRESSING - RAKE - TOOTH

Write for Samples and Quotations for immediate delivery.

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17/18 Chapel St., Whitecross St., London, E.C.2

Phone : CITY 5321.

PERFUMERS ! SHORTAGE OF LABOUR

Advertisers are prepared to undertake the blending of Shampoo, Tooth, and other Toilet Powders, in large or small quantities at lowest possible rates. Good workmanship and prompt delivery. Ingredients supplied, if desired, at lowest market prices. Write, stating requirements.

MARTIN & CO., 71 City Road, Finsbury, **London, E.C.1.**

PUFFS of ALL KINDS in DOWN and WOOL.

SOLID FACE POWDERS

COMPLETE WITH PUFFS.

Inquires invited by makers.

F. SCHUTZE & CO., Ltd.,

BLACK BULL WORKS,

Caledonian Market, London, N.7.

Chemists—please note

This Advertisement is appearing in the following publications during November and December :—

Ladies' Field	Sphere	Home Notes	Daily Mirror
Gentlewoman	Pictures	Vogue	Picture Plays
Eve	Woman's Life	Tatler	Sunday Express
Sketch	Reynolds' Newspaper	Illustrated London News	Weldon's Ladies' Journal
Graphic	Lady's Pictorial	Bystander	Fashions for All
Sporting & Dramatic News	Queen		

No. 17
84/- dozen

The Cutex Travelling Set

P.A.T.A.
9/6

Contains just what you need to keep your nails beautifully manicured —all full-sized packages. Cutex Cuticle Remover that does away with ruinous cutting; Cutex Nail White, to remove stains and discolorations and give your nail-tips a snowy whiteness; Cutex Cake Polish and Cutex Paste Polish (pink) to give your nails the fashionable finish.

In addition, you get a double-cut steel file, emery boards, orange stick, absorbent cotton and an invaluable little booklet on the care of the nails. All combined in a stunning set, so compact, so convenient that many people carry it with them wherever they go.

In one stunning set—everything to keep your nails beautifully manicured

Also the No. 16 **Compact Manicure Set**—Wholesale 27/- dozen; Retail (P.A.T.A.) 3/-
And No. 18 **Boudoir** „ „ „ 168/- „ „ 19/-

"**CUTEX**" Manicure Sets enjoy an unusually heavy sale with the approach of the Christmas season. Last year the demand far exceeded the supply. This year, due to special advertising, it will be still heavier. We respectfully urge customers to place their orders well in advance to avoid disappointment.

Sole Agents for the United Kingdom:

4 & 5 Ludgate Sq. **HENRY C. QUELCH & CO.** London, E.C.4

For JUST what YOU WANT

IN

GLASSWARE

OF EVERY DESCRIPTION and FOR ALL PURPOSES

JULES LANG & SON hold huge stocks in the Provinces ready for immediate local delivery, and in their North and West London Depots approximately

TEN THOUSAND CASES!!!

are available. No other firm can claim to hold such a general stock in the Kingdom. NEARLY all your needs can be met on request. Limes, Medicals, Vials, Tobins, Mexicans, Cheltenhams, Male and Ear Syringes, Kalis, Opal Pomades, Flint Pomades, Smelling Salts, Panels, Cannons.

6-dram., ½-oz. and 1-oz. Green Vials.

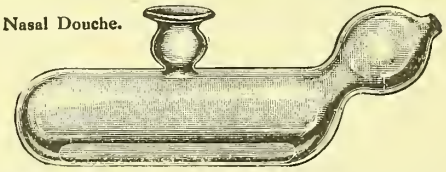
Kali

Lime

Medical

Tubes of all sizes, Test Tubes, Douche Linings, Burettes, Separating Funnels and many other lines in Chemical and Laboratory Glassware.

Nasal Douche.



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CHARLTON WORKS:

Charlton Place, Islington - - LONDON, N. 1.

Telephones: North 2770-2 (three lines). *Telegrams:* "Assorted, Phone, London."

Chip Ointment Boxes.

Pre-War Quality 5 grams. to 200 grams.

Immediate Delivery from Stock.

Cheapest house in the country for Medical Flats, Vials, Panels and all other kinds of Chemists' Bottles. Stocks held. All first quality, no seconds. Customer's own design bottles a speciality. Enquiries solicited.

JAMES A. ROCHE,
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Telephone: CENTRAL 267. Telegrams: "CHEMINGCO MANCHESTER."

The BRYTSTELE BATH
For SAFETY RAZORS.

Outfits: Price **3/6** each: **32/-** doz.
Solution only: 4-oz. Bottle, **1/6** each; **14/-** doz.
" " 10-oz. Bottle, **3/-** each; **28/-** doz.
Orders value **£2**, carriage paid, England & Wales.
" " **£5**, " " Scotland & Ireland.

Brytstele Inventions, Limited,
26 Horfield Road, BRISTOL.

LARGE STOCKS OF
ARTIFICIAL EYES
CLINICAL & INDUSTRIAL THERMOMETERS, READERS & MAGNIFIERS, EYE SHADES, EYE — BATHS, HEARING INSTRUMENTS, ETC. —
Catalogues upon application to
JOHN BAIRD, Wholesale and Manufacturing Optician,
68 & 70 MITCHELL STREET, GLASGOW.
See Buyers' Guide Section for other goods stocked.

TWO SIZES ONLY.

DR. J. COLLIS BROWNE'S CHLORODYNE

Prices and Terms:

TRADE:

Minimum Retail Price	1/3	3/-
Price (*per dozen*)	12/3	30/6

Discount 5 per cent. on £1 worth, 7½ per cent. on £5 worth and upwards.

Packages charged at cost, and are not returnable. Carriage forward.

Terms: Cash with order. Most Wholesale Houses supply on equal terms, so please order with your other goods.

Dr. J. Collis Browne's Chlorodyne

is on P.A.T.A. Protected List, & must not be sold below the prices named above.

J. T. DAVENPORT, Ltd. Proprietors,
117 Union Street, London, S.E.1

Urodonal

Jubol, Globéol, Gyraldose, Pagéol, Fandorine, Sinubérase, Filudine, Jubolitan, Jubolitoires, Vamianine, Dialirol, Linycol, Rhino-Fogyl, Fogyl, Romanyl, Poral, Poralin, Noctyl, Rucoval, Furosyl, Succine, Corivore-Plaster, Collampoules: Vamiol, Bokanol, Gamostyl, Plasmocol, Dosarter, Pyran.

ÉTABLISSEMENTS CHATELAIN
2 Rue de Valenciennes, Paris.

Costs you 9/6
Sells at - 12/-

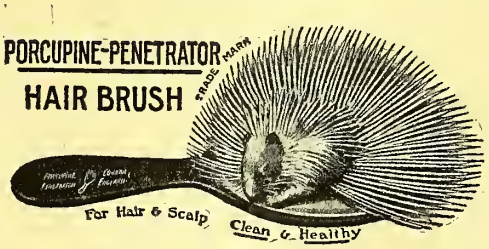
Similar terms on all preparations

Sole Agent for U.K.— **M. E. BOUSSARD, 7 Paddington Street, LONDON, W. 1.**

MINIMUM RETAIL PRICE
5/6
each. In a box.

TRADE MARK

PORCUPINE-PENETRATOR HAIR BRUSH



MILITARY SIZE
5/6
each. Boxed in pairs

ONE PRICE—The Cheapest. **ONE QUALITY**—The Best.

Ebonised Back in White Bristles, and Bone.

MANUFACTURED IN LONDON (England)

under Hygienic and Patent Process by M. Neuhafer & Levi, Ltd., 11 Fore Street, E.C. 2, who supply Wholesale and Shipping Firms only.

COMPRESSED TABLETS

Get your Tablets of the *right quality* and the right price, and put up in attractive Cartons with your own name.

Aspirin, gr. 5
Cascara Sagrada
Phenacetin
Formalin, Mint
Throat, etc. etc.

Write for illustrated list and current prices.

WHITE BAND Mfg. Co. Ld.

Compressed Tablet Works,

CROYDON - - SURREY.

ALTERATIONS IN TRADE LIST PRICES

During NOVEMBER, 1920

The following list relates to the changes in prices which have occurred in respect to staple products or important alterations of prices of products in less frequent demand:—

NOTE.—The prices given below are current trade list prices to which 10% is to be added to arrive at the Minimum Selling Prices to the public.

TRADE MARK 'TABLOID' BRAND—	Trade List Price per dozen 25's	100's
Ammon. Bromide, gr. 5 ...	—	15/0
,, ,, ,, gr. 10 ...	—	24/0
,, ,, ,, 0·5 gm. ...	8/0	24/0
,, ,, ,, 1 gm. ...	14/0	—
,, Codeine, gr. ¼	18/0	58/0
,, ,, gr. ½	30/0	105/0
,, ,, Phosphate, 0·03 gm.	—	72/0
,, ,, and Nux Vomica ...	36/0	126/0
,, Colchicine Salicylate, gr. 1/32	35/0	—
,, Ergotin, gr. 1, *s/c*	22/0	—
,, ,, gr. 2, *s/c*	35/0	—
,, ,, gr. 3, *s/c*	52/0	—
,, Potassium Bromide, gr. 5 ...	—	12/0
,, ,, ,, gr. 10 ...	—	20/0
,, ,, ,, 0·5 gm. ...	7/0	18/0
,, ,, ,, 1 gm. ...	12/0	36/0
,, Salicin, gr. 5	30/0	105/0
,, ,, 0·25 gm.	24/0	84/0

TRADE MARK 'TABLOID' BRAND—*continued*	Trade List Price per dozen 25's	100's
Sodium Bromide, gr. 5 ...	—	15/0
,, ,, ,, gr. 10 ...	—	24/0
,, ,, ,, 0·5 gm. ...	8/0	—
,, ,, ,, 1 gm. ...	14/0	—
,, ,, ,, Comp. ...	—	24/0
,, Strontium Bromide, gr. 5 ...	—	24/0
,, ,, ,, 0·5 gm. ...	—	30/0

TRADE MARK 'SOLOID' BRAND—	Trade List Price per dozen 25's	100's
Cocaine Hydrochlor., gr. ½ ...	30/0	105/0
,, ,, ,, gr. 1 ...	48/0	168/0
,, ,, ,, gr. 5 ...	204/0	765/0
,, ,, ,, 0·05 gm.	42/0	147/0
,, ,, ,, 0·25 gm.	168/0	—
,, * ,, ,, gr. 4·37 ...	192/0	—

(* Ionic Medication)

BURROUGHS WELLCOME & CO., LONDON

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MOORLAND PHARMACY SERVICE

W. B. Cartwright, Ltd.

RAWDON NEAR LEEDS.

The Leading House of Ideas for Pharmacy.

Offer an unique service to both manufacturers and retailers who require advice and assistance upon matters relative to advertising and selling.
We invite correspondence with manufacturers of really High-class Preparations, Toilet Specialties, Perfumery or Sundries, provided they are lines that will not clash with our present interests.
We are in an unique position to give you the best provided your lines are such as we can have confidence in.
Advertising must be well done to be effective—there is nothing upon which you can waste more money than ineffective publicity. If you have ***the*** line we can create ***the*** market for you.

ADDRESS
PUBLICITY DEPT.

MOORLAND BRAND

MOORLAND
PHARMACY SERVICE

'Ialine' Disinfectants

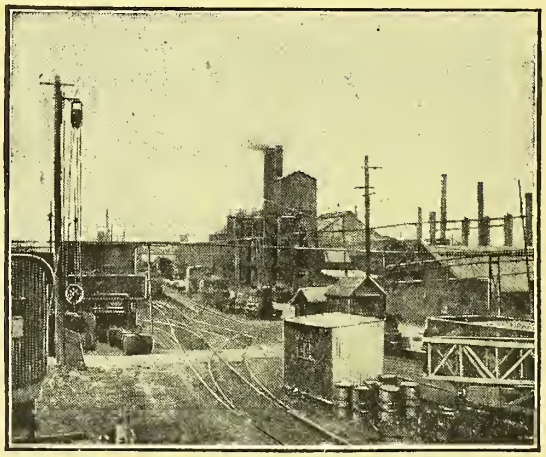
Also
FLUIDS
containing
10 — 80 %
Tar Acids.

High Co-efficient
FLUIDS
up to 18—20
Rideal-Walker
Method.

LYSOL

SHEEP DIP

Approved by the Board of Agriculture for Sheep Scab.



Coal Tar and Ammonia Products

Benzols, Toluol, Solvent Naphthas. Carbolic and Cresylic Acids, Creosote and Fuel Oils, Pitch, etc. etc. Timber for Dock and Harbour work. Deals, Battens, Boards, Floorings, etc. Railway Sleepers and Crossing Timbers, Telegraph Poles, etc. etc. Saw Millers and Timber Preservers.

Burt, Boulton & Haywood, Ltd. Salisbury House, London Wall, E.C. 2

Telegrams: "Burboul, Ave, London." Cables: "Burboul London."
Codes: A B C (5th Edit.); Lieber's; Western Union; Bentley's.

CARBOLIC POWDERS
CREOSOTE POWDERS
CO-EFFICIENT POWDERS
PINE OIL POWDERS
PINE OIL FLUIDS
PINE OIL BLOCKS
NAPHTHALENE BALLS
" CANDLES
" TABLETS
" FLAKE
" BLOCKS
" POWDER
LIQUID SANITARY SOAP
WOOD PRESERVATIVE.
ETC. ETC.

THE CHEMIST AND DRUGGIST

ESTAB. 1859

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in the Overseas Dominions.

Subscription Rates. TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary.* Subscriptions may begin with the first issue of any month. Single Copy 9*d.* post free; *Diary*, 5s. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20s., franco.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 20ch., franco.

Terms for Advertising may be obtained on application to the Publisher

HEAD OFFICE: 42 CANNON STREET, LONDON, E.C. 4.

Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617 (three lines).

BRANCH OFFICES: MELBOURNE AND SYDNEY, AUSTRALIA.

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Business Changes.

J. BELL & Co., chemists, Hastings, will, on the completion of alterations, open a branch at 41 London Road, St. Leonards.

MAWSON & PROCTOR, LTD., chemists, Newcastle-on-Tyne, have closed their branch in Saville Place, the premises having changed hands.

MR. A. E. DAVIDSON, chemist and druggist, has acquired the business of Mr. F. W. Goodess, chemist and druggist, Uppingham Road, Leicester. Mr. Davidson has managed the business for over seventeen years.

MR. OWEN ROUTLY, chemist and druggist, has purchased the Heacham business of Mr. Edward Wright, chemist and druggist (carried on under the style of J. W. Bodger & Co.), and is responsible for all liabilities from November 20.

SCHUTZ & Co., Grimm 24, Hamburg, announce that their senior partner, Mr. Thomas Schütz, has retired. His second son, Mr. Leopold Schütz, succeeds him. Mr. Willy Bendixen and Mr. Alfred Schäuffler have also been admitted as partners.

CORNER FOR STUDENTS.—The report on the November competition is unavoidably held over until next week.

Poisons Schedule Changes.

From The London Gazette, December 3, 1920.

At the Council Chamber, Whitehall, the 1st day of December, 1920.

By the Lords of His Majesty's Most Honourable Privy Council.

WHEREAS by Section 2 of the Pharmacy Act, 1868, it is enacted that the several Articles named or described in the Schedule (A) to that Act shall be deemed Poisons within the meaning of that Act, and that the Council of the Pharmaceutical Society of Great Britain may, from time to time, by Resolution, declare that any Article in such Resolution named ought to be deemed a Poison within the meaning of that Act, and that thereupon the said Society shall submit the same for the approval of the Privy Council; and that if such approval shall be given, then such Resolution and approval shall be advertised in the London Gazette; and, on the expiration of one month from such advertisement, the Article named in such Resolution shall be deemed to be a Poison within the meaning of that Act.

And whereas by Section 1 of the Poisons and Pharmacy Act, 1908, it is enacted that Schedule (A) to the Pharmacy Act, 1868, be repealed, and the Schedule to the Poisons and Pharmacy Act, 1908, substituted therefor, and that the said last-named Schedule may be amended by adding thereto or removing therefrom any Article in the manner provided by Section 2 of the Pharmacy Act, 1868:

And whereas the Council of the Pharmaceutical Society of Great Britain did on the 17th day of November, 1920, by virtue and in exercise of the powers vested in them by the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, resolve and declare as follows:

(*a*) That the description in Part 1 of the schedule to the last-named Act "Coca, any preparation or admixture of, containing 1 or more per cent. of coca alkaloids" ought to be removed therefrom, and that the description "Coca, any preparation or admixture of, containing 0.1 or more per cent. of coca alkaloids" ought to be added thereto.

(*b*) That Ecgonine and all preparations or admixtures containing 0.1 per cent. of Ecgonine ought to be added to Part 1 of the Schedule to the Poisons and Pharmacy Act, 1908.

(*c*) That the description in Part 1 of the Schedule to the last-named Act "Opium and all preparations or admixtures containing 0.75 or more per cent. of Morphine" ought to be removed therefrom, and that the description "Opium and all preparations or admixtures containing 0.2 or more per cent. of Morphine" ought to be added thereto.

(*d*) That Diamorphine (also known as Heroin) and all preparations or admixtures containing 0.1 per cent. of Diamorphine, ought to be added to Part 1 of the Schedule to the Poisons and Pharmacy Act, 1908.

(*e*) That Zinc Chloride and liquid preparations of Zinc Chloride, except preparations intended to be used for soldering or other purely industrial purpose, provided that they are contained in closed vessels labelled with the word "Poisonous," and bearing the name and address of the seller and a notice of the special purpose for which the preparations are intended, ought to be added to Part 2 of the Poisons and Pharmacy Act, 1908.

(*f*) That the description in Part 2 of the Schedule to the last-named Act "Coca, any preparation or admixture of, containing more than 0.1 per cent. but not less than 1 per cent. of coca alkaloids," ought to be removed therefrom.

And whereas the said Society have submitted their Resolution for the approval of the Privy Council, and the Lords of the Privy Council are of opinion that the said Resolution should be approved:

Now, therefore, Their Lordships are hereby pleased to signify their approval of the said Resolution.

ALMERIC FITZROY.

FEW country practitioners of experience can have failed to come across occasional instances of the triumph of infusion of fresh broom tops in lumbago, etc., and of infusion of young foxglove leaves in dropsy.—*H. Cameron Kidd.*

C C

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

British Pharmaceutical Conference.

A meeting of the local committee of the British Pharmaceutical Conference was held at Scarborough on December 2, Mr. George Whitfield in the chair. The following sub-committees were appointed, with power to add members :

Booklet Sub-Committee.—Mr. George Whitfield, Mr. Edgar Chapman, Mr. E. R. Cross.

Games Sub-Committee.—Mr. E. Parker, Mr. W. H. Newton, Mr. R. C. Brown, Mr. W. E. Sanderson, Mr. G. H. Meadley.

Entertainments Sub-Committee.—Mr. J. Chapman, Mr. T. W. Longdin, Mr. J. Longdin, Mr. Kelsey, Dr. F. W. Crossley-Holland.

Excursions Sub-Committee.—Mr. J. Chapman, Mr. J. Longdin, Mr. Eyre, Mr. Hunt, Mr. A. Scott, Mr. F. A Lund, Mr. A. E. Beckett.

British Photographic Manufacturers Association.

The annual meeting of this Association was held in London on November 18. Mr. E. W. Houghton presided, and about forty members were present. The report contained a reference to the publicity which had been undertaken during the year in the production of "Photographic Industry of Great Britain," the "Official Handbook," and "The Gentle Art of Photography." Mention was also made of conferences which had been held with dealers and professionals. The following officers were re-elected : *President* : Mr. E. W. Houghton (Houghtons, Ltd.) ; *Vice Presidents* : Messrs. J. Hill (Imperial Dry Plate Co.) and G. M. Bishop (Marion & Co., Ltd.) ; *Treasurer* : Mr. E. B. Cook (Johnson & Sons, Ltd.) ; *Secretary* : Mr. F E. Greenwood (Elliott & Sons, Ltd.). Mr. C. M. McGilchrist (Ross, Ltd.) was elected a member of the Council, and the following were also re-elected : Messrs. W. F. Butcher (W. Butcher & Sons, Ltd.), C. S. Downing (Wellington & Ward), J. R. Griffin (J. J. Griffin & Sons, Ltd.), W. S. Hobson (Taylor, Taylor & Hobson, Ltd.), T. Illingworth (T. Illingworth & Co., Ltd.), Fred. J. Jenks (Ilford, Ltd.), Gray Pickard (Thornton-Pickard Co., Ltd.), C. F. S. Rothwell (Rajar, Ltd.), and G. S. Whitfield (Paget Prize Plate Co., Ltd.).

Foreign Samples Exhibition.

A permanent exhibition of foreign samples which have been collected by British agents in all parts of the world on behalf of the Department of Overseas Trade was opened at 7-11 Old Bailey, London, E.C., on December 7, by Mr. F. G. Kellaway, Parliamentary-Secretary of the Board of Trade. The object of the exhibition is to enable the British manufacturer and exporter to see what his foreign competitors are selling on overseas markets. Since we last referred to the exhibition, formerly held in Basinghall Street, a considerable expansion has taken place, and in the new premises over 100,000 samples from every part of the world are displayed, while a library of 15,000 trade catalogues is at the disposal of British manufacturers and exporters. In his opening address, Mr. Kellaway said : "In no other country in the world is there a collection at once so extensive and useful for enabling British traders to get a new hold on the markets of the world. Some of the largest firms in the country," he added, "make daily use of the Department." He maintained that the most important problem before the country to-day is the recovery of its overseas trade. If Britain cannot extend her old markets the prospect is grave, but industry had made, since the war, so marvellous a recovery that pessimism is out of place. The exhibition will be open daily from 10 to 5, and on Saturdays, from 10 to 1. Exhibits are arranged in classes, among which are included glassware, surgical instruments, pharmaceutical chemicals, dyes, soaps, perfumery, bandages, etc.

Commercial Travellers' Organisations.

Mr. George Brown, 14 Bingham Road, Croydon, Southern Counties' representative for Evans Sons Lescher & Webb, Ltd., London, has been elected *chairman*, and Mr. F. C. Orange, 14 Faraday Road, Acton, W. 3, South-East and Eastern Counties' representative for Fassett & Johnson, Ltd., London, *vice-chairman*, of the London branch of the United Kingdom Commercial Travellers' Association for the ensuing year.

At the annual conference of the United Kingdom Commercial Travellers' Association in August last, at Cambridge, a resolution for the reconstruction of the Association as a trade union was defeated. As a result of that vote, a trade-union propaganda committee was formed ; and, in view of the U.K.C.T.A. being incorporated under the Companies Acts and forbidden by those Acts to take any action "which if an object of the Association would make it a trade union," a ballot was taken of the members of the committee, as to whether steps should be taken to form a commercial travellers' union. The replies were almost wholly favourable, and steps have been taken to form the union under the title of "The National Union of Commercial Travellers." The executive council of the new union are all members of the United Kingdom Commercial Travellers' Association, and Mr. C. J. Kebbell, honorary secretary, National Union of Commercial Travellers, St. Bride Institute, Bride Lane, London, E.C. 4, will be pleased to hear from travellers interested.

Fires.

The following outbreaks of fire have been recorded since our last report :

Six tar stills were damaged by a fire at the works of Josiah Hardman, Ltd., Nechells, recently.

A slight outbreak, which occurred recently on the premises of Barrett & Elers, Ltd., carbon-dioxide manufacturers, Dace Road, London, E. 3, is attributed to overheating.

An outbreak, due to a defective electric circuit, occurred, on December 2, at the premises of G. T. Holloway & Co., Ltd., analytical chemists, Emmett Street, London, E. 14. The damage was not serious.

Birmingham.

A report of the trial of Phineas Keats will be found on p. 53.

The shop windows are beginning to put on their Christmas attire.

German balances, glass, and porcelain ware have been conspicuous in the city of late.

An exhibition of marine and aerial lights was recently given by Chance Bros. & Co., Ltd., at their works.

A chair in Italian is to be established at the University under the ægis of the Birmingham chamber of commerce.

"We are doing practically nothing, and that will be the order of the day until just before Christmas, when we hope and expect to be busy," was the summary of a Birmingham pharmacist the other day.

Numerous requests for phosphorus are the result of a note in the lay Press recommending it to be burnt on oil for use as a night light. Chemists have invariably refused to participate in the experiment.

During the past few weeks several cases of damage to personal charms brought about by the use of private nostrums have been passing through the lawyers' hands ; in the end, the proprietors have adopted the course of paying up and looking pleasant.

Leeds.

The local chamber of trade recommends the closing of shops all day on Christmas Day and Bank Holiday, leaving any further closing to individual discretion.

At Leeds Assizes, on December 3, Joseph Edgar Abson, farmer, Glasshoughton, was awarded 130*l.* against the Yorkshire Coking and Chemical Co., Ltd., for damage done to his crops by fumes from defendants' coke ovens.

The staff of W. A. Wharram, Ltd., manufacturing chemists, 34 Lady Lane, Leeds, recently presented Mr. R. D. Lemmon with a wristlet watch and cigarette case on the occasion of his leaving the company to take up an appointment in Calcutta. Mr. Lemmon has been with Messrs. Wharram for fourteen years.

Liverpool.

The Waterloo and Seaforth mortality rate has fallen to seven per 1,000 per annum.

Mr. T. Fell Abraham, Ph.C., was present at the first of the Lord Mayoral receptions this week.

Mr. L. Walker, chemist and druggist, Great Crosby, is making his "Lung Tonic" a leading local line.

Unemployment is increasing. Bootle, with a list of over 5,000 men and over 1,000 women out of work, is taking a lead with relief works.

For the New Year juvenile party at the Royal Institution at least 100 acceptances have been received from the families of pharmacists.

Owing to the most recent store combine, some changes of *personnel* are current, accompanied by inquiries as to retail businesses in the market or partnerships available.

Mr. Harold Wyatt, J.P., Ph.C., has been kept to his room for a fortnight with synovitis, the origin of which was a blow on the knee against a drawer behind his counter.

The final rush to forward the late Christmas orders is evident among the wholesalers. Show cases are constantly replenished, and the novelties denote new branches of business.

John Thompson & Co., Ltd., have acquired enlarged accommodation in Duke Street, a thoroughfare into which the Hanover Street drug-trade has overflowed rather extensively.

The Liverpool Chemists' Association dinner, fixed for January 12, has been postponed, and the Merseyside and Southport District Pharmacists' Masonic Union has appropriated the date.

Mr. Edwin Brown, who has been in business for forty years in Brownlow Hill (he passed the Modified examination in 1869), has sold out to Mr. A. Bamforth, and has retired to North Wales.

"Do the Food and Drugs Acts apply to coal?" was the question put to a central-area pharmacist this week. The questioner was one of the countless number who have paid 2*l*. 10*s*. or more per ton for "coal," mostly shale.

"Attention to customers at certain of the wholesale houses in London," writes a Liverpool buyer, "has greatly improved during the last twenty years. Two decades ago, unless one appeared in a frock coat and shiner, the office boy, on his first promotion, was the only member of the staff lowly enough to show respect. To-day competition and general smartness combine to bring the provincial client up to town for his seasonal purchases."

Manchester.

Most of the local chemists are preparing their Christmas displays, many striking and effective windows being noticed, a full description of which we hope to publish in next week's issue of the *C. & D.*

Mr. F. W. Bates, J.P., has added another to the already long list of honourable positions he holds. He has been appointed one of the governors of the Manchester High School for Girls, one of the largest and most important schools in the provinces.

The Lord Mayor of Manchester (Alderman W. Kay) has accepted the invitation to lunch, extended to him by the Manchester Pharmaceutical Association, on January 12, 1921, when Mr. E. T. Neathercoat, President of the Pharmaceutical Society, is visiting Manchester to give an address. Members of the Association desirous of attending this function should forward their names, by January 8, to Mr. Miller. The cost will be 9*s*. 6*d*. per head.

Several changes have taken place recently in the panel list of chemists. Ramsden's Pharmacy, Denmark Road, Moss Side, is being carried on by Mr. Harry Smith, chemist and druggist. Hall's Pharmacies, Ltd., have opened an additional branch at 65 Ayres Road, Old Trafford, and the late Mr. F. Robinson's business at Alexandra Road, Moss Side, is now being carried on by his daughter, Miss Mabel Robinson, chemist and druggist, trading as F. Robinson.

Miscellaneous.

EXPORT OF PHOTOGRAPHIC CHEMICALS.—The Board of Trade (Licensing Section) announce that, as from December 2, 1920, an open general licence has been issued for the export of photographic chemicals containing not more than 20 per cent. coal-tar derivatives.

UNAUTHORISED POSSESSION OF OPIUM.—At Southampton, on December 2, John Lewis, seaman, was fined 50*l*. for having in his possession, on board ship, 4 lb. of opium.—At Grays, on December 3, L. Ham, seaman, was similarly fined 20*l*. for unlawfully importing 40 oz. of opium.

OVERSEAS TRADE.—The Department of Overseas Trade (Development and Intelligence), 35 Old Queen Street, Westminster, S.W. 1, has issued a booklet giving briefly an account of the activities of the Department, and showing how the individual trader is helped. The overseas organisation is described, and full particulars of the British Industries Fairs are given. Copies of the booklet can be obtained from the above address.

GOVERNMENT STOCKS OF GERMAN REPARATION DYES.—It is understood (says the British Chemical Trade Association Bulletin) that the Board of Trade have for disposal considerable quantities of German reparation dyes, and are prepared to sell them to merchants for either home consumption or export. Particulars as to prices and quantities will be forwarded on application to the Assistant Secretary, Board of Trade, Industries and Manufactures Department, Great George Street, Westminster, London, S.W. 1.

RESEARCH STUDENT KILLED.—A student, Mr. W. A. Hayward, M.Sc., the holder of a Salter Fellowship at the Imperial College of Science, London, died as the result of injuries received in an explosion on December 6 in the chemical technology department, in which he was a senior research student. Mr. Hayward was carrying out an experiment on the behaviour of gases under pressure when the explosion occurred. A fragment of a Bourdon gauge hit him on the base of the skull. Mr. Hayward was recently a chemist at the Gretna Green Explosives Factory.

POLYTECHNIC INSTITUTE REPORT.—At the prize distribution held on December 3 at the Northampton Polytechnic Institute, Clerkenwell, London, E.C., the principal, Dr. R. Mullineux Walmsley, stated in his report that work had now reassumed pre-war dimensions. The number of students approached 3,000, and the total hours worked was 126,000, as against 58,000 in 1918-19. Dr. S. Russell Wells, Vice-Chancellor of the University of London, presented the prizes. All the workshops and laboratories were on view as equipped for ordinary work, and several demonstrations were arranged in the lecture-rooms with the usual teaching apparatus.

IN THE COURTS.—At Clerkenwell Police Court, London, on December 4, George H. Hillnoye, described as a motor driver, of no fixed abode, was remanded on a charge of attempting to obtain 6*l*. by false pretences. Evidence was given to the effect that the accused had offered to supply cocaine, morphine, laudanum, and other narcotics, and that, on a police trap being laid, he was seen to hand a woman a packet containing face-powder.—At Harrogate, recently, Camwal, Ltd., were fined 1*l*. on each of two summonses for failing to record a factory accident in the prescribed manner.—At Accrington Police Court, on December 6, William Shepherd and John Carroll were each fined 2*l*. for stealing 56 lb. of resin, valued at 4*l*., the property of Mr. W. Thornber, chemist and druggist, Blackburn Road.—At North London Police Court, on December 7, Arthur Ward was remanded on a charge of stealing shaving-brushes and bristles, value 111*l*., from the warehouse of T. W. Culmer & Sons, brush manufacturers, Andover Road, Holloway.—At Birkenhead, on December 2, Wm. Henry Jennings, chemist and druggist, Hoylake, was summoned for selling, on a Wednesday afternoon, articles which were not medical necessaries. An agent of the district inspector under the Food and Drugs Acts said that he went to Hoylake on November 10, at 3 P.M., and purchased a shaving-stick and tooth-brush. A fine of 30*s*. was inflicted.

Irish News.

The Pharmaceutical Society of Ireland.

The following are the latest dates for lodging applications for the January examinations: Thursday, December 23, for Preliminary Examination; Tuesday, December 28, for Registered Druggist Examination; Wednesday, December 29, for Pharmaceutical Licence Examination; Monday, January 3, for Pharmaceutical Assistant Examination. Applications should be lodged not later than 11 A.M. on the respective dates.

Camphorated Oil Prosecutions.

Mr. George Brown, The Wexford Pharmacy, Dublin, writes, in regard to the report of a prosecution against him under the Sale of Food and Drugs Acts (*C. & D.*, December 4, p. 68): "Your correspondent's statement of my case is somewhat misleading. I was neither fined nor cautioned, as there was no deception in the matter. On my sample being produced in court, the label read as enclosed. Neither the solicitor for the prosecution nor the inspector noticed it before. It immediately took all heart out of the prosecution. Neither was the price charged for it as for that made with olive oil. The shortage of camphor was accounted for by the fact that the B.P. gives no standard for the finished product. 'Squire' says theoretically it contains 20 per cent."

Mr. Brown's label reads: Camphorated Oil (B.P. Strength. Made with best Colza Oil).

Belfast.

At Belfast Quarter Sessions, on November 3, Mr. J. W. Wadsworth, Ph.C., 14 Bow Street, Lisburn, claimed 48*l.* 12*s.* for damages to his premises done during the August riots. A decree was given for 33*l.* against the Urban Council.

Scottish News.

Brevities.

Qualified chemists have been seen checking tickets on tramcars in a Scottish city.

Mr. H. W. F. Allan, chemist and druggist, has acquired the business at 176 High Street, Elgin.

Bailie M. McLean, chemist and druggist, Kinghorn, after nine years' municipal service, has resigned from the local council.

The death is announced of Mr. Robert L. Rough, J.P., Broxburn, late of Robert Rough & Sons, Cawburn Chemical Works.

Professor J. Y. Simpson, D.Sc., has been asked to act as chairman of the Commission which is to consider the new boundaries between Latvia and Lithuania.

The complete defeat of the "No-licence" party in Edinburgh is not without interest to large-scale advertisers, although the kind of appeal which they make is on very different lines.

The numerous cases of septic sore throat recently reported in Dumbartonshire are attributed to the milk from a cow which was suffering from "weed in the udder." On the milk of this cow being withdrawn from sale the outbreak gradually subsided.

The Joint Sanatorium Board of the counties of Stirling, Clackmannan, and Kinross, and all the burghs therein, except Falkirk, has, with the consent of the Board of Health, purchased the Ochil Hills Sanatorium, near Milnathort, for the treatment of tuberculosis.

Aberdeen.

Dr. J. F. Tocher, Ph.C., consulting chemist to the Highland Society, recently tested a sample of milk which revealed 6.25 per cent. of milk fat.

Mr. E. G. Bryant, Ph.C., head of the pharmacy department at Robert Gordon's Technical College, has recently passed the final examination for the B.Sc. (London).

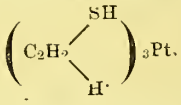
Glasgow.

Among the exhibitors at the recent Shipbuilding Exhibition was the British Oxygen Co., Ltd. The company have plant capable of producing 2,000,000 cubic feet of oxygen daily.

Mr. A. M. Brownlie, chemist and druggist, has taken over the business of Mr. B. Barr, chemist and druggist, Gallowgate Street, Largs. Mr. Brownlie was previously with Fraser & Green, Ltd., chemists, Glasgow.

Chemical Society.

AT the ordinary scientific meeting of the Chemical Society, held at Burlington House, on December 2, the President, Sir James Dobbie, F.R.S., referred to the presence at the meeting of the distinguished Indian chemist, Sir Prafulla C. Ray, who read the first paper, on *Varying Valency of Platinum with respect to Mercaptanic Radicles.* By the interaction of ethylmercaptane and platinum chloride, a product with the constitution $(Et\ S)_2PtCl$ is obtained, in which platinum is trivalent. Sir Prafulla then described his investigations on analogous compounds, dealing with his observations on the interaction of ethylene thioglycol and platinum chloride, whereby a trivalent platinum compound is produced, one H only of the two SH groups being replaced:



In the presence of an excess of platinum chloride a hexavalent compound is obtained, and under some conditions platinum even appears as pentavalent and octovalent. This may be explained that the reaction takes place as if the compound H_2PtCl_6, and not $PtCl_2$, were present.

The Influence of the Solvent on the Velocity of Certain Reactions. Part II. Temperature Coefficients. A Test of the Radiation Hypothesis, was the subject of Mr. H. E. Cox's contribution. The author discussed the question of the internal energy in a system, in which any agent which increases the velocity of the reaction diminishes the temperature coefficient. He dealt with the reactions taking place between molecules only, and those between molecules and ions, and their measurement. He referred to the relationship of such reactions in different solvents, the relative figures were demonstrated by tabular comparisons. The author alluded to the possible effect of the solvent on such reactions, and the possibility that the solvent might exert a certain catalytic influence.

Dr. T. A. Henry, Director of the Wellcome Chemical Research Laboratories, then read a paper describing the results of his investigations on *Hyenanchin and other Constituents of Hyenanche Globosa.* The latter is a South African plant, which is particularly toxic, and is largely used for poisoning hyenas, and by the natives for settling private differences, by the removal of an obnoxious person. The plant was first investigated in 1853 by Henkel, and, following Engelhardt's studies of its properties, it was suggested for the treatment of diseases of the eye. The author succeeded in demonstrating the presence of wax, phytosterol, tannin, a yellow colouring matter, hyenanchin, and isohyenanchin, the latter being non-toxic. Hyenanchin, $C_{15}H_{18}O_7$, is a dilactone, and belongs to the picrotoxin group; it is isomer with picrotin, but whereas the latter has a clearly determined melting-point, hyenanchin decomposes at 245°, and isohyenanchin at 299°. Mr. W. S. Denham's paper dealt with the *Methylation of Cellulose. III. Homogeneity of Product and Limit of Methylation*, in which he referred to his investigations on the solubility of cellulose, which decreases with any increase in the ethoxy content. He also discussed the effect of substituting the hydrogen atoms of cellulose by the methyl group, and the consequent effect on its solubility.

At the ballot which was held 147 new Fellows were elected, among which were included nineteen ladies.

Legal Reports.

A Genatosan Advertisement.—Mr. Justice Peterson had before him, in the Chancery Division on December 3, an action by Mr. Rudyard Kipling, the well-known author, Bateman's Burwash, Sussex, against Genatosan, Ltd., Chenies Street, London. Plaintiff sought an injunction to restrain defendants from publishing in advertisements or otherwise a literary work of the plaintiff's called "If." The defendants were alleged to have used in their advertisements the plaintiff's verse reading—

If you can force your heart and nerve and sinew
To serve your turn long after they are gone,
And so hold on when there is nothing in you
Except the will which says to them "Hold on."

Defendants did not deny the publication, but said they had merely quoted the verse as being appropriate to the subject-matter of the advertisement, and that such use was that of legitimate user to which they were entitled. Mr. Hughes, K.C., for plaintiff, said the defendant company had a patent medicine which they called Sanatogen, and someone in their employ had conceived the idea of advertising it by the aid of a quotation from plaintiff's poem "If," which was contained in a book of pieces entitled "Rewards and Fairies." "If" was a poem of four stanzas, and defendants had used the third stanza in their advertisement. They had not the courtesy to consult Mr. Kipling about it, but proceeded to utilise the four lines to an immense extent in advertisements published all over the British Isles, in the Colonies, and in foreign countries. The advertisement was headed "Will to be well." Then there was a quotation, "By the force of my will I shall subdue this disease," and Mr. Kipling's verse followed, the conclusion being "I must, I will get back my health." Unknown to Mr. Kipling, that verse was considerably used in the spring of 1918, was then dropped, and again used to a very large extent in the spring of this year. Nothing, said counsel, could more annoy an author of distinction like Mr. Kipling than to have his work associated with the miserable claptrap of a patent-medicine vendor. Not only was it an infringement of his legal rights, but was an insult to a man of literary ability to have his work associated with the misleading, false claptrap of a patent-medicine advertisement. Mr. Justice Peterson: The question is whether it is a substantial part of the advertisement. Mr. Hughes said it only wanted stating to show that it was a substantial part. He should be interested to hear what defendants had to say regarding their defence of legitimate user. The defendants in their defence, stated counsel, added that they had quoted the verse merely as being appropriate to the subject-matter of the advertisement. "That is apparently," he went on, "that these four lines of Mr. Kipling's poem are supposed to be specially appropriate to Sanatogen." The defendants also said in their defence, "Such quotation is no more than fair and legitimate use of the said verse." Having quoted from the Act, counsel said: "You can quote within limits, but how that can be applied to an advertisement I cannot imagine. The quotation must be for the purpose of private study, research, criticism, review, or newspaper summary. I do not," concluded counsel, "find a word in the Act about advertisement. The worst thing that can happen to an author of distinction is that his work should be used for a base purpose like this; it is worse than a direct pecuniary injury." Counsel said he did not propose to call any evidence. Mr. Douglas Hogg, K.C., for defendants, took the objection that there was no evidence before his lordship that there was such a poem by Mr. Kipling. His lordship said he had the book before him. Mr. Hogg: Your lordship has something printed on a piece of paper which may have been done yesterday for all I know. Mr. Hughes then called Alexander Straughan Watt, who stated that he had been Mr. Kipling's literary agent for about thirty years, and who proved the publication of Mr. Kipling's poem, by Macmillans, in the book "Rewards and Fairies." Cross-examined by Mr. Hogg, witness said Mr. Kipling was widely quoted, but not very widely. Counsel submitted to witness a book of stories by Mr. Kipling, in which the stories were prefaced by a quotation in verse. Some of the verses were by Mr. Kipling himself; others were quoted from other authors—namely, Miriam Cohen, W. E. Henley, Tennyson, and Lowell. Witness thought that in some cases Mr. Kipling would ask for permission to quote, though probably not in all cases. Mr. Hogg: Do you know that Mr. Kipling has even condescended to quote from Mr. Albert Chevalier's poem, "Knocked 'em in the Old Kent Road"?—No, I don't know that. Witness said Mr. Kipling constantly received applications to use his verses, and counsel showed him an advertisement of a time-recording machine in which a verse from "If" was used. The "Daily Mail" overseas edition had also in its advertisement quoted from Kipling:

They change the skies above them,
But not their hearts that roam.

It was pointed out to witness that Mr. Stephen McKenna in "Sonia" and Maud Driver in a novel had used quotations from Kipling to preface their advertisements. Mr. Hogg: There is also in THE CHEMIST AND DRUGGIST (September 18, 1920), a well-known journal, an advertisement of Briar Violet Cachous, which is headed by a quotation from the well-known poem of Mr. Kipling's, "From the Glory of God," which described a beautiful garden. Martins, the cigar and cigarette people, also, said counsel, had used a Kipling quotation in an advertisement. His lordship, in his judgment, said he was not surprised that Mr. Kipling should object to having his poems used for advertisements of this description. In such a case the least that could be expected would be that the person utilising the poem should suggest to the owner of the copyright that he was prepared to pay something for it. That would not in the present case have any influence upon Mr. Kipling, because his objection was not that he had not been paid, but he protested against having his poetry used in connection with an advertisement of this description. The only question was whether the use that had been made by the defendants of the poem was an infringement of Mr. Kipling's copyright. The question really came to this: Had defendants taken a substantial part of the poem? In his lordship's view it was a false point to say it was a legitimate form of quotation to take a substantial part of a poem and incorporate it in an advertisement of goods it was required to sell. To use it for the sole purpose of pushing the sale of goods was not a fair use of quotation. His lordship was of opinion there had been an infringement of the copyright and granted plaintiff an injunction restraining further use of the poem, and awarded 40s. damages and costs.

In our report of the action Kipling *v.* Genatosan, Ltd., on December 4, counsel, in cross-examining a witness, was reported as having referred to an advertisement of shoes, headed by a quotation from Kipling, which appeared in THE CHEMIST AND DRUGGIST. The word "shoes," it is pointed out by THE CHEMIST AND DRUGGIST, was an error, as the advertisement in question referred to cachous. Advertisements of wearing apparel are not, in fact, accepted by THE CHEMIST AND DRUGGIST, which confines its announcements to matters associated with the chemical industry, pharmacy, the drug-trade, perfumery, the manufacture of toilet articles, and kindred industries.—"The Daily Telegraph."

Chemist's False Pretences. — At Birmingham Assizes, on December 6, Phineas Keats, chemist and druggist, was charged with obtaining, by false pretences, sums amounting to 5,200*l.* from Joseph Title Davies (*C. & D.*, September 4, p. 66). The case for the prosecution, now more fully related than in the police court, was to the effect that, in May 1919, Keats desired to go into business on his own account, and asked Mr. Davies to lend him 520*l.* for the purpose. Defendant purchased a chemist's business at Balsall Heath, and carried on business there in his own name. Subsequently, early in the present year, Keats, for the purpose of putting upon the market a certain drug which he was advertising as a cure for gout, formed a limited liability company, under the name of the Eurexine Drug Co., Ltd., and carried it on up to the time when the charges in the present case were made. In order to

get the money referred to in one of the charges, the defendant represented to Mr. Davies that he had bought 500 tons of "hyposoda" at 30*l.* a ton. He further represented that he had sold it again at a profit of 7*l.* per ton, being a profit on the transaction of 3,500*l.* He said he had bought it from a firm referred to as "N. & S.," Nottingham, and he represented that the goods were then lying at Tooley Street, London. He told Mr. Davies he had already sold 100 tons to Messrs. Butler & Crisp, London, and 400 tons to three firms in Birmingham. All the statements were entirely false. The second sum was obtained ten days after the first transaction. The position at that time was that Keats had borrowed from his father a sum of 1,000*l.* as a temporary loan, which fell due to be repaid on July 29. On or about that date, having practically no money in his bank, defendant gave his father a cheque for 1,000*l.*, knowing perfectly well it could not be met. In addition, there was money owing to Keats' father-in-law. Mr. Davies gave corroborative evidence. In cross-examination, he said that he had always found Keats honest and straightforward until last July. Adolph Hirschfeld, managing director of the Denture Institute, Ltd., stated that he had advanced sums to Keats for specific deals in Government goods. He borrowed the money from friends. Cross-examined by Mr. Ward: He had since had to call his creditors together, and had sold his house in Edgbaston and "every mortal thing." You're the man ——.— You made a similar remark before. Yes, and I am going to put it to you again. You're the man who dissipated these sums of money and left the pool dry, and left this man to take the whole of the blame?—He is the man who has positively ruined me. Mr. Samuel Keats, the defendant's father, said the defendant's effects had all been sold, and even the money for the defence had had to be raised by witness. Mr. Justice Rowlatt, in passing sentence of six months' imprisonment in the second division, said to the defendant: "You have been guilty of obtaining money by fraud from these gentlemen. My only difficulty is I do not quite know how hard they were to you. I expect they ran you pretty hard, and they got something out of it. But this sort of thing can't be done, and it ought to be a warning to every young man, whether he is a Jew or English, not to embark in these speculations if he has not got the means to finance them."

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

DAVID WEIR, LTD. (P.C.).—Capital, 600*l.* Objects: To carry on the business of chemists, druggists, drysalters, herbalists, oil and colour men, etc. The first directors are: D. Weir, 175 Oxford Road, Burnley; Mrs. M. A. Weir, 175 Oxford Road, Burnley. R.O.: 175 Oxford Road, Burnley.

ORGANIC COMPOUNDS, LTD. (P.C.).—Capital, 2,500*l.* Objects: To carry on the business of manufacturing chemists and druggists, buyers, sellers, and manufacturers of chemicals, chemical preparations, and substances, drugs and medicines, manufacturers of and dealers in toilet requisites, and manufacturers of all kinds of boxes. R.O.: Sheffield Works, 29 Hythe Road, Willesden Junction, London, W. 10.

WAITE'S BRITISH CHEMISTS, LTD. (P.C.).—Capital, 20,000*l.* Objects: To carry on the business of wholesale and retail chemists and druggists, pill manufacturers, herbalists, druggists' sundriesmen, drysalters, Italian warehousemen, etc. The first directors are: H. Coats, 72 Linskill Terrace, North Shields, stock and share broker; A. Waite, 13 Brislee Avenue, Tynemouth, chemist; and H. Gregg. R.O.: 27 Bedford Street, North Shields.

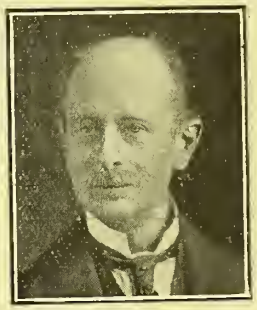
Festivities.

Thomas Kerfoot's Whist-drive.

THE staff of Thomas Kerfoot & Co., Ltd., held their annual whist-drive and dance on December 2 at the Stamford Café, Ashton-under-Lyne. Fifty guests were present, and an enjoyable evening was concluded with a supper and an impromptu concert.

Woolley's Annual Gathering.

ON December 3 the staff of James Woolley, Sons & Co., Ltd., Manchester, held their thirty-seventh annual gathering at the Midland Hotel. The party numbered about 130, and included the directors, with Mr. H. K. Oldfield (Oldfield, Pattinson & Co.) and Mr. A. J. Pidd (Wm. Mather, Ltd.) as visitors. The event of the evening was the presentation to Mr. William Lane, one of the directors, of a silver rose bowl and illuminated album, suitably inscribed, containing the subscribers' signatures, to mark his completion of fifty years' connection with the company. Mr. E. J. Woolley, in making the presentation, paid tribute to Mr. Lane's estimable qualities, and Mr. Oldfield testified to the esteem in which Mr. Lane was held by other drug houses. An enjoyable musical programme was provided by Messrs. A. C. Vallance, Robert Kay, Granville Shaw, F. G. Smith, E. H. Chapman, and G. Williamson.



MR. WILLIAM LANE,

who has completed fifty years in the service of James Woolley, Sons & Co., Ltd., Manchester. He was President of the Proprietary Articles Trade Association in 1917-1918.

"The Script" Sports Club Dinner.

THE annual dinner of the "Script" Sports Club took place at Anderton's Hotel on December 2, the chairman of directors (Mr. Herbert Skinner) presiding. Mr. Malcolm (S. Maw, Son & Sons) presented the Challenge Shield, and members were present from all the London Associations. An excellent musical programme was arranged by Mr. Millner, the artists being from among the players, and included Mr. Millner, Bowie, Barratt, Watson, Keith, and Widgery, assisted by Miss Grassick. The shooting trophy was won by the Western Association, and was presented to the captain (Mr. Shirtliff) by the chairman, the members of the winning team receiving a silver spoon as a souvenir. The secretary, Mr. J. Hearle, gave a list of the various winners in the tournaments, and it was recorded that the South-Western team, being the dispossessed holders, had presented the spoons, thereby returning the compliment accorded by the Western team the previous year. It was announced that Messrs. Maw would present the spoons in the future to the members of the successful team. The Keall Cup, for the highest shoot for individuals, was won by Mr. J. E. Monaghan, of the South-Western, with an average of 97. In the bowling competition the Glaxo Cup was won by the Eastern Association for the first time, and it was presented to the skipper, Mr. A. R. Keith, who had it suitably filled and passed round. Silver spoons were then presented by the Association to the members of the winning team. The championship bowls, presented by the editor of the "Script," were won by Mr. A. Grassick. An additional pair of bowls was also won by him, which were presented by Burgoyne, Burbidges & Co., Ltd., to the Northern Association. The Duncan Flockhart prize for the runner-up was won by Mr. C. H. Siddle, of the South-Eastern Association. A silver bowl, given by the skipper of the Northern team for the runner-up for North London, Mr. Bowie, was won by himself. The Hatfield-Wood rose-bowl for the singles champion in the Eastern Association was won by Mr. A. R. Keith for the second year.

Scottish Pharmaceutical Federation.

As a result of the decision in the case of Jenkin *v.* Pharmaceutical Society, the Scottish Pharmaceutical Federation has completed its organisation, which had been partly suspended pending the decision referred to. The following is a complete list of the branches throughout Scotland:

President, James Jack, Ph.C., Arbroath; *Vice-President*, W. G. McNab, Gorebridge; *Secretary and Treasurer*, Alexander Murray, 255 Albert Road, Pollokshields.

FIFESHIRE BRANCH.—*President*, J. B. McLaren, Kirkcaldy; *Vice-President*, J. H. Fisher, Dunfermline; *Secretary and Treasurer*, P. Fenton, 101 High Street, Kirkcaldy.

FORFARSHIRE BRANCH.—*Hon. President*, James Jack, Ph.C., Arbroath; *President*, J. Hutton, Brechin; *Vice-President*, J. S. Whyte, Arbroath; *Hon. Secretary and Treasurer*, F. W. M. Bennet, 238 High Street, Arbroath.

DUNDEE BRANCH.—*President*, C. Stephen, Ph.C., Dundee; *Vice-President*, J. R. Milne, Dundee; *Secretary and Treasurer*, James Duff, 31 Strathmartine Road.

KIRKCUDBRIGHTSHIRE BRANCH.—*President*, F. Walker, Castle Douglas; *Vice-President*, R. Shennan, Dalbeattie; *Secretary and Treasurer*, J. Barr, 187 King Street, Castle Douglas.

LANARKSHIRE BRANCH.—*President*, A. A. Dick, Belshill; *Vice-President*, J. Lohoar, Hamilton; *Secretary and Treasurer*, W. S. Culbert, 47 South Bridge Street, Airdrie.

GLASGOW BRANCH.—*President*, D. G. MacKenzie, Glasgow; *Vice-President*, D. W. Robb and W. J. Moffat, Glasgow; *Secretary and Treasurer*, H. G. McMillan, 97 West Regent Street, Glasgow.

MIDLOTHIAN BRANCH.—*President*, D. Harley, Musselburgh; *Vice-President*, J. P. Thomson, Penicuik; *Secretary and Treasurer*, W. G. McNab, Gorebridge.

EDINBURGH BRANCH.—*President*, J. T. Coats; *Vice-President*, G. J. Davidson; *Secretary and Treasurer*, K. J. C. McLennan, 40 Queensferry Street.

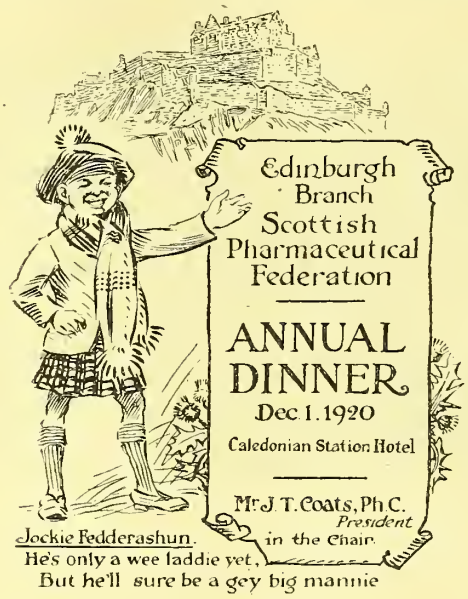
PAISLEY BRANCH.—*President*, R. Inglis, Paisley; *Vice-President*, A. G. Fraser and Mr. McEwan, Paisley; *Secretary*, A. Brown, 47 Neilston Road, Paisley; *Treasurer*, J. Robertson, Paisley.

GREENOCK BRANCH.—*President*, J. A. Russell; *Vice-President*, W. B. Wright; *Secretary and Treasurer*, W. Melrose, 38 Hamilton Street, Greenock.

EAST STIRLINGSHIRE BRANCH.—*President*, J. W. Bennie, Polmont; *Vice-President*, R. Sinclair, Falkirk; *Secretary and Treasurer*, J. Ferrier, 22 Lumley Street, Grangemouth.

Edinburgh Branch Dinner.

The first annual dinner of the Edinburgh branch of the Scottish Pharmaceutical Federation took place on December 1 in the Caledonian Station Hotel, Mr. J. T. Coats, Ph.C., President of the branch, in the chair, and Messrs. K. J. C. McLennan, R. D. Douglas, J. Finlay, and Taylor Robson as croupiers. The company numbered about 100, including representatives from other districts. Mr. G. Graham Davidson was the organising secretary, and the function was a great success. The toast of "The Imperial Forces" was proposed by Mr. G. Graham Davidson, Vice-President of the branch, and replied to by Lieut.-Col. Turner Ewing, M.A., D.S.O. (son of Dr. J. Laidlaw Ewing). Mr. W. W. Brown proposed the toast of "Edinburgh City, Magistrates, and Town Clerk," to which Bailie Wallace Dunlop, M.A., J.P., F.R.S.E., replied. He said it was an honour and a great pleasure to be a guest at this the first dinner of the Scottish Pharmaceutical Federation. They were all proud of the beautiful city of Edinburgh, and the ancient Castle on the Rock was an embodiment of the characteristic features of Scotland and an emblem of her historic traditions. He noticed that on the front of the menu they had placed at the top a sketch of Edinburgh Castle, which, next to the Scottish thistle, was the most appropriate emblem of Scotland. The city of Edinburgh as now enlarged covered an area of 73,000 acres, or practically three times its previous area. With the exception of London and Manchester, and not even excluding Glasgow, Edinburgh now covered the largest area of any city in Great Britain.

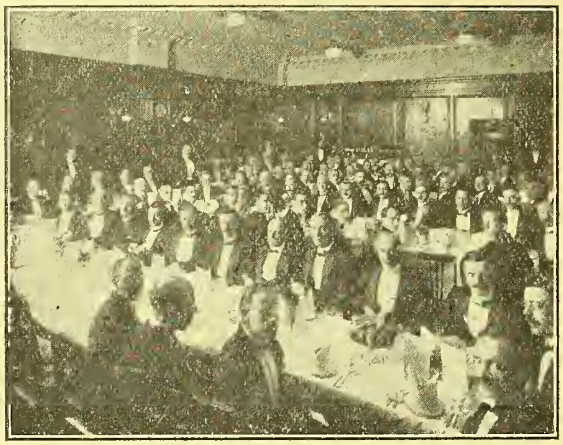


The city of Edinburgh stood in the foremost rank in its reputation for medical men and the practice of pharmacy and the manufacture of anæsthetics, opium-alkaloids, and other drugs. He would convey to his colleagues on the Council an appreciation of the work they were trying to do and their promise of loyal support.

"THE PHARMACEUTICAL FEDERATION."

Mr. J. Miller Thomson, W.S., in proposing the toasts of "The Pharmaceutical Federation" and "The Edinburgh Chemists' Golf Club," said the Edinburgh branch was to be congratulated on taking the lead in this the first dinner connected with the new organisation. He was aware that the driving force came from Glasgow and the West, but he was sure their brethren present from Glasgow would not grudge to Edinburgh the credit of taking the lead to-night. Their organisation was no longer a mere interesting botanical specimen. It was a flourishing tree and was bearing good fruit. In the summer of last year an arid wind from the South blew over the land and reached even to Aberdeen. They had been told that this tree was not the tree of life, but the tree of death, and that any person who partook of the fruit would be disloyal and an outcast. They were now being invited to come under the umbrageous shelter of the tree of the South. This new tree, which in many features is a copy of their own, is nevertheless merely a hybrid, and like all hybrids its ultimate destiny is sterility. His advice was to remain in their own plantation, which consisted of good Scots fir, and not be grafted on to another tree which would prevent its strong growth. He coupled the toast with the name of Mr. A. J. Clark, the captain of the Golf Club. Mr. Jas. Jack, in replying, said he had to congratulate the Edinburgh branch on this very successful dinner, which he hoped would be an annual function. He did not intend to enter into a detailed explanation of the Federation, as some had desired him to do. With regard to Aberdeen, which had been referred to, he might say they were rather in a "ca' canny" mood. Their excuse was loyalty to the Pharmaceutical Society, but he had a shrewd suspicion that with the caution characteristic of the Granite City they desired to see some guarantee of value for their money before launching out. He was often

asked what the Federation was doing or intended to do. Briefly, he might say in reply they wanted a better organisation, keener management, effective treatment of Trade Board questions, and the help of assistants. They wanted both an efficient Assistants' Union and an Employers' Federation, because both parties must go hand in hand in any arrangements that had to be made. He had had the pleasure of meeting with the representatives



PHOTOGRAPH TAKEN AT THE DINNER.

of the assistants, and the interview was in many ways quite a profitable one. In regard to the question of hours and certain wages a reasonable adjustment was quite feasible, but in regard to some of the demands as to wages the scale suggested was, in his opinion, quite impracticable. If they had to pay higher wages they must be prepared so to organise themselves as to conduct their business on lines which would yield sufficient return to meet these higher wages. They had never interfered with the Pharmaceutical Society and had acted with perfect loyalty throughout. It was a calumny to suggest, as some ignorant persons had done, that they were out to wreck the Pharmaceutical Society. Their desire was that the Society should carry on very much as it had carried on since 1843. With regard to what had taken place in the South, he thought the Pharmaceutical Society should have consulted the members of the trade generally before entering into any definite scheme, but so far as Scotland is concerned they have nothing to fear. The Federation saw its way to an arrangement that would effectually cover every risk. Mr. A. J. Clark responded for the Chemists' Golf Club, mentioning that at the present moment they had a record membership and were flourishing in every department of their operations. Thereupon the club prizes were presented, the T. & H. Smith trophy being won by Mr. James Finlay, the Brown Medal by Mr. W. T. Robson, the Mackay trophy by Mr. Robert Butchart, and the Pinkerton-Gibson trophy by Mr. James Finlay.

THE PHARMACEUTICAL SOCIETY.

Mr. J. T. Coats, Ph.C., in proposing "The Pharmaceutical Society of Great Britain," said that for something like eighty years the Pharmaceutical Society, like a venerable old lady, had been superintending their education, examinations, and registration, as well as providing for the alleviation of distress and poverty. She had been from the outset a pioneer in the matter of old-age pensions. In Scotland they had noticed that while the old lady was getting on in life certain of her activities had developed into a larger sphere, so that she was trying to do too much. Consequently, they had decided that so far as Scotland was concerned she should forthwith be relieved from all anxiety regarding purely trade affairs, reserving those functions as to education, examination, registration, and benevolence in which she had done such good work and in reference to which they cordially said "God bless her!" Mr. J. Rutherford Hill, replying, said he thoroughly appreciated the intention of giving relief to the Pharmaceutical Society in regard to certain parts of its work which it might be thought had either not been done at all or done in an imperfect way. The Society had probably quite enough to do in the interests of the craft on what might be called the educational and professional and benevolent sides of her functions. It is well to note, however, that originally the Society contemplated one all-embracing union. In the original constitution of 1841 this is clear in the first article, which says "that the permanent interests of chemists and druggists require that they shall form themselves into a Society." The universality of its scope is further indicated in Article 4 of the same constitution, which contains these words, "to protect the collective and individual interests and privileges of all its members in the event of any hostile attack in Parliament or otherwise." In the first circular-letter, issued in 1841, it is explained that they had decided to establish a union or association which they defined as follows: "A permanent association to be denominated 'The Pharmaceutical Society of Great Britain,' having for its object the union of the members of the trade into one body—for the protection of the general interests—and the improvement and advancement of scientific knowledge." It will be noticed that the protection of the collective and individual interests of all its members is in the forefront, whereas improvement and advancement of scientific knowledge comes second, the latter being designed as a means to attain the former. That was in 1841; but we have reached a new era, and what was adapted for 1841 may require reconsideration in 1920. In dealing with that problem he was prepared to trust level-headed Scottish pharmacists to discover some sound working plan. The membership of the Society in Scotland at the present moment was the highest yet attained in its history, and he had most ample ground for saying that in no area of Great Britain had the principles and policy of the Society been better understood or more loyally supported than in Scotland. Mr. K. J. C. McLennan proposed the toast of "The Chairman," and the chairman, having replied, proposed a vote of thanks to Messrs. Davis, Mitchell, Murray, and Watt, who contributed song and story.

Coming Events.

Tuesday, December 14.

North London Pharmaceutical Association, Progressive Pharmacy Club, Arundel Hotel, Arundel Street, Strand, London, W.C., at 8.30 P.M. Mr. S. W. Woolley, Editor of THE CHEMIST AND DRUGGIST, on "The Medicine Stamp Acts."

Wednesday, December 15.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, Liverpool, at 8 P.M. Mr. Hugo Wolff, member of the Pharmaceutical Council, on "The Injunction—What Follows?"

Birmingham Municipal School of Pharmacy, Imperial Hotel, at 7 P.M. Smoking concert. All old students invited.

London (Western) Pharmacists' Association, Pinoli's Restaurant, Wardour Street, London, W., at 8.30 P.M. Mr. J. P. Gilmour, Editor of the "Pharmaceutical Journal," will open a discussion on "Is Pharmacy Played Out?"

Pharmaceutical Society of Great Britain, 36 York Place, Edinburgh, at 8 P.M. Evening meeting. Papers on "The Content of Ammonium Salts in Various Opiums" and "Notes on some Commercial Opiums," by Mr. J. Leslie Thomson, B.Sc.; "The Assaying of Opium," by Mr. A. J. Jones, Ph.C.; "Note on Commercial Formaldehyde," by Mr. G. F. Merson; "Note on Tinctura Iodi (French Codex)," by Mr. G. Walker; "An Incompatible Chloral Mixture," by Mr. J. Tait.

Birmingham School of Pharmacy, Imperial Hotel, Temple Street, at 7 P.M. Smoking concert. Mr. H. Berry, Ph.C., in the chair.

Thursday, December 16.

Chemical Society, Lecture Hall of the Institution of Mechanical Engineers, Storey's Gate, London, S.W., at 8 P.M. Sir Robert Robertson, F.R.S., on "Some Properties of Explosives."

LONDON (WESTERN) PHARMACISTS' ASSOCIATION.—A Cinderella dance will be held at the Holborn Restaurant, London, W.C., on January 19, and pharmacists are asked to reserve the date for this event.

Society of Chemical Industry.

At the meeting of the Society of Chemical Industry, held at Burlington House on December 6, Dr. C. A. Keane took the chair in the place of Mr. Julian Baker, who was unable to attend owing to a chill. Before a numerous audience, including several members of Parliament, Dr. Herbert Levinstein read a paper on

The Dyestuff Industry.

Referring to the Bill now introduced to safeguard the British dyestuff industry, he drew attention to the fact that it was not a measure suddenly sprung upon the members, but represented the advice given by a Cabinet Committee under Mr. Asquith's Government, and later endorsed by Mr. Lloyd George. It was on May 15, 1918, that the Government promised to control by licence the importation of dyes for a period of ten years. From February 25, 1919, to December 17, 1919, the date of the Sankey verdict, the importation of dyes was regulated by an Order under the Customs Act. At the present time there was a serious disorganisation in the chemical industry owing to the very large imports which had taken place during the months of August, September, and October of this year. If we wish to build up a chemical industry we must be in a position to attract future chemists, and it must not be forgotten that it takes five years' training to become a chemist, while a further period of two years is required to make him acquainted with dyestuff research. If the public want a dye industry, and the Bill has the support of the dye users, then the public must be consistent, and afford those who embrace this profession, in a vital industry, a safe career. The manufacture of dyestuffs is a vital industry for four reasons: (1) It is a key industry; (2) it is necessary to ensure national security; (3) it permits of the development of new industries; (4) it would be of great political importance if left in the hands of the Germans. Dr. Levinstein proceeded to discuss these four points, and stated that now competition is national between the great countries, for the aim of every important industrial country is to capture and control the key industries of other countries. Business competition assumes practically the aspect of a war with other weapons, but with the same objective—viz., the capture of the opponent's strong positions. Dr. Levinstein then proceeded to relate the very striking history of the manufacture of alizarine in this country. The process of manufacture was patented almost simultaneously, in 1869, by Perkin and by Caro. Perkin was the first to manufacture and actually supply alizarine, while the Germans took two years to erect the necessary plant on a large scale and to secure the services of distributing agents throughout the world. The result was that the Germans in 1871 produced a quantity far in excess of that manufactured by Perkin. In 1884, when the German combine held the monopoly and dictated its own terms, the Scotch dyers formed an association and took over Perkin's laboratory, thereby being in a position to supply their own requirements independently of the German combine. The German chemical warfare depended entirely on the possession by that country of a highly-developed dye industry, with its immense resources in plant, skilled workmen, and research chemists. As long as the Germans were able to produce poison gases at short notice, the world would not be a safe place, unless we had a counter-check.

Dr. Levinstein made the interesting statement that when the Germans, after the defeat on the Marne, adopted chemical warfare as a means of continuing the war, it did not have the result that was expected owing to the fact that the soldiers had no faith in the chemists, and did not follow up the initial advantages obtained by the use of this new weapon, and also that they only employed it on a small front. All the great works on the Rhine were, therefore, potential arsenals, for the supply of poison gases in a future war, which is bound to be a chemical war, in spite of vague surmises that the next one will be a bacteriological or a physiological war. Turning to a consideration of the proposal to subsidise research in this country, the lecturer stated that this was of no practical use. Research work had to be adapted by the co-operation of technical works' chemists to industrial conditions to make it of commercial value, and in illustration of this point he alluded to the years it took to make Haber's discovery of the fixation of nitrogen for the production of ammonia a technically, and consequently commercially, feasible proposition. Therefore, research alone did not suffice, it required the existence of the necessary industrial plant to turn it to practical use, and, unless we had an industry, research would not avail us, as we would be without the means of utilising the results achieved in the research laboratory.

Discussion.

In the discussion which followed this interesting paper, Sir William Pearce, M.P., expressed the view that the dye industry was a key industry in peace and in war, and it was just as bad for a country to be C3 in scientific research as in physical health. He also referred to the German chemical superiority in so many points during the war, when the absence of suitable plant necessitated the improvisation of so many undertakings. Prior to the war the British textile manufacturers were most favoured by the German dye works, who sold them the dyes at a very low price, in order to prevent any attempt at the establishment in this country of an independent dye industry. Germany held one security in the possession of the Haber nitrogen fixation process, which rendered it independent of the supply of foreign nitrates, a fact which the German Government had kept in view before entering upon the campaign.

Professor Armstrong deprecated the insistence which has been laid upon the commercial aspect of research work, and that undue stress is laid upon the money-making aim of research. In this country we have failed in commercial insight, in not appreciating fully the value of scientific research, and the position would be materially improved if the House appreciated the value of scientific work. There is a great need, he said, of forcing home the necessity of possessing a body of chemists skilled in organic research.

Mr. F. H. Carr emphasised the necessity of retaining our hold, gained during the war, on chemistry, not only as regards the manufacture of dyestuffs, but of all organic compounds, and referred to the discovery of thyroxin as an example of the potentialities of scientific research. It was the solemn duty of every Britisher who had seen his comrades fall to maintain our chemical industry, and not let it slip from our grasp.

Mr. R. Waddington, M.P., speaking as a Lancashire textile manufacturer, referred to the humiliating position in which this industry had been placed during the war in consequence of its dependence on German dyes.

The mere subsidising of the British dye industry would be unvarnished pauperism, was the opinion expressed by Dr. Forster, F.R.S., since the members of this industry would not be selling goods, but would be living in a colossal workhouse. If the textile manufacturers fifty to eighty years ago had not been so horribly greedy, but had devoted a small proportion of their immense profits to subsidising research work, it would have been possible to build up an important dye industry in this country. The commercial utilisation of research work was a useful incentive.

Dr. Miall blamed the Government for postponing the settlement of this vital question to the last moment, when the position was much more serious than appeared from the discussion.

A vote of thanks was proposed by Mr. W. J. U. Woolcock, M.P., and seconded by Mr. Evans.

Simplification.—"The Bolshevists seemed to have only two sorts of medicine, one a mixture of bismuth and opium for internal use, the other iodine for external application. The iodine was supplied to everybody and for every kind of sore indiscriminately. . . ."—*Petty Officer Horgan in "The Times."*

Dyestuffs (Import Regulation) Bill.

THE following is the text of the measure before the House of Commons to regulate the importation of dyestuffs :

Prohibition on Importation of Dyestuffs.

1. (1) With a view to the safeguarding of the dye-making industry the importation into the United Kingdom of the following goods—that is to say, all synthetic organic dyestuffs, colours, and colouring matters, and all organic intermediate products used in the manufacture of any such dyestuffs, colours, or colouring matters—shall be prohibited.

(2) Goods prohibited to be imported by virtue of this Act shall be deemed to be included among the goods enumerated and described in the Table of Prohibitions and Restrictions Inwards contained in Section 42 of the Customs Consolidation Act, 1876, and the provisions of that Act and any Act amending or extending that Act shall apply accordingly.

Provisions as to Licences and Constitution of Advisory Committee.

2. (1) The Board of Trade have power by licence to authorise either generally or in any particular case the importation of any of the goods or any class of description of the goods prohibited to be imported by virtue of this Act.

(2) For the purpose of advising them with respect to the granting of licences the Board of Trade shall constitute a committee, consisting of five persons concerned in the trades in which goods of the class prohibited to be imported by this Act are used, three persons concerned in the manufacture of such goods, and three other persons not directly concerned as aforesaid. Such one of the last-mentioned three persons as the Board shall appoint shall be chairman of the committee.

Exception for Transit Goods.

(3) For the purpose of providing for the expenses incurred by the Board in carrying this Act into execution, the Board may charge in respect of a licence a fee not exceeding five pounds.

3. Subject to compliance with such conditions as to security for the re-exportation of the goods as the Commissioners of Customs and Excise may impose, this Act shall not apply to goods imported for exportation after transit through the United Kingdom or by way of transhipment.

Exercise of Powers of Board under Act.

4. Anything authorised under this Act to be done by the Board of Trade may be done by the President or a Secretary or Assistant Secretary of the Board, or by any person authorised in that behalf by the President of the Board.

Duration and Short Title.

5. (1) The provisions of this Act shall continue in force for a period of ten years from the commencement thereof, and no longer.

(2) This Act may be cited as the Dyestuffs (Import Regulation) Act, 1920.

Second Reading Debate.

The second reading of the Bill took place in the House of Commons on December 7. The President of the Board of Trade (Sir Robert Horne) said the object of the Bill is to prohibit, except under licence, the import of a certain class of commodities into this country. The class of commodities which is dealt with is that of dyestuffs, and they divide themselves into three species. There is, first, the synthetic organic dyes; secondly, colours and colouring matter; and, thirdly, the intermediates of organic dyes. Synthetic organic dyes is a general term representing in effect the dyes produced from coal-tar. They are all compounds of carbon, and they are synthetic in respect that they are built up in laboratories and factories, as contrasted with those natural dyes which are got by extraction. The House is very well aware that a very great industry has been built up in Germany by the extraction of dyes from coal-tar, and many natural dyes now are entirely out of the market, because of the competition of synthetic dyes, which have been produced by this system. This country has the credit of the original inventor of the system from which all this has sprung, but, unfortunately, we had before the war completely lost the industry to Germany, in which country it had been very greatly developed. Colours and colouring matter are not, very strictly speaking, dyes, but they are produced by the same processes, and the knowledge required for their production is the same as for the production of the ordinary dyes. They are also the result of the dye-making industries, and are covered by the prohibition intended. The intermediates represent what you get half-way between the raw material and the finished dyestuff. These three species of the genus cover the whole ambit of the field over which this prohibition will operate. The prohibition was only to be exercised under licence. The first and most material question was how this licence was to be granted. The House will see that provision is made for the setting up of a Licensing Committee. It is to be composed of five representatives of dye consumers, three representatives of dye producers, and three neutral members, of whom one shall be chairman. The House will accordingly see that the dye consumers have the largest representation of anybody on the Committee, and the composition of the Committee has been agreed to by the great dye-consuming interests of this country. The Colour Users' Association, which represents, roughly, 90 per cent. of the whole consumption of dyes in the country, have accepted this plan and is very willing and ready to work it. Merchants who distribute the material are not specifically provided for in the arrangement. The Calico Federation, to which the Calico Printers' Association belongs, has declared itself in favour of this scheme, and, while the calico printers are undoubtedly a very important firm or company, they, in point of fact, are out of touch, or certainly out of agreement, not only with the large body of consumers of dyes in the country, but also with those who are members of their own Federation. The next point upon which the House will probably like information is as to how this licensing system will work. He had had many interviews with the people who represent the dye consumers in this matter, and could assure the House that there will be no difficulty with regard to the operation and to the granting of licences. There will be neither delay nor difficulty in granting these licences. Let them say, for example, that a licence is required for a dye which is not made in this country. It is perfectly obvious that a licence will be granted quite readily for that dye, supposing it is a dye made in this country, but not made in sufficient quantity. Again, the operation dealing with the licence is obvious and easy. Supposing it is a dye made in this country, but which the consumer complains is not made with the same efficiency as in another country. Then the matter falls to be determined by a Licensing Committee upon which the consumer has the largest representation. He looked for two good results—the education of the producer in this matter and for the great stimulus to be given to those who are making dyes to produce the best dyes that can be made anywhere in the world.

After careful consideration it has been decided that there would be no fee for the grant of the licence. There will be no fee in that sense of a licence duty, but there will be a fee to pay the administrative expenses, and it is limited to 5*l*. upon any licence. If you have a system of importation under licence, it is perfectly obvious that you might upon occasion, and upon many occasions, have two people, one in a position of advantage, and the other in a position of prejudice, because of the fact that one man had asked for his commodity at a time when there was sufficient production here, while the other man had made his demand at a time when the home product was at an end and when he had an opportunity of getting a cheaper dye from outside. In that way you would create inequality, and there is no other way of getting over that inequality than by charging an *ad valorem* duty. The dye industry is so well organised that we are in a position to ensure that there will be an equitable distribution of whatever dyes are imported. It seems to be the position of this industry that you can say for a considerable time in advance what the whole of the consumption will be. You can tell what your own production will be, and therefore you can decide what you are likely to require from overseas. You have an organisation representing practically the whole trade by which there can be rationed to the whole trade, upon principles of equitable distribution, the amount of dyes which you are compelled

to import. For these reasons we have been able in this Bill to operate the licensing system without any recourse to any form of licence duty. Sir Robert then gave a *résumé* of the exceptional reasons for affording protection to the dye industry in this way, and referred to the pledges given by the Government which this Bill aims at fulfilling.

Major Barnes moved an amendment that the House declined to give a second reading to the Bill, as it introduces the vicious protectionist system of prohibition and licences which will inflict grave injury upon the textile industries of the country. This was seconded by Sir W. Barton. In the discussion which followed Sir W. Pearce and Mr. Asquith supported the second reading, which was ultimately carried by 277 for to 27 against.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

PROPRIETARY MEDICINES BILL.

Sir Philip Magnus, on December 8, asked the Prime Minister whether, having regard to the importance of the subject in the interests of public health and the delay that has occurred in dealing with it, he will arrange for the introduction early next session of a Bill to give effect to the recommendations, or to some of the recommendations, of the Select Committee on Patent Medicines.

Dr. Addison replied: It is proposed to introduce next session a Bill giving effect to the proposals which have now been agreed to with the parties concerned.

GROCERY TRADE WAGES.

Dr. Macnamara, on November 26, stated in the House of Commons that a Trade Board for the grocery and provisions trade (England and Wales) was established by Regulations dated June 23, 1920. The first meeting was held on July 20, and on November 3 the Board issued a notice of proposal to fix minimum rates of wages for male shop assistants and male porters. The Board also issued, on November 16, a notice of proposal to fix minimum rates of wages for female shop assistants and female porters. Under the procedure laid down by statute, the notice is advertised for two months, during which objections may be lodged against the proposals. After that time, the Board meets to consider any objections, and, if it decides to fix rates as proposed, they are submitted for confirmation.

PREVENTION OF VENEREAL DISEASES.

In the report of the Select Committee which has been considering the Criminal Law Amendment Bill, the Criminal Law Amendment (No. 2) Bill, and the Sexual Offences Bill it is stated that Clause 7 of the Criminal Law Amendment (No. 2) Bill has occasioned such a difference of opinion in the Committee that they have thought it best to call the attention of Parliament to the subject. The fact that "prevention" appeared on the face of the Bill aroused the attention of those who are advocates of preventive measures in relation to venereal disease, and the Committee had very strong recommendations made to them in evidence which could not have been excluded. The majority of the Committee felt that, if they pursued the subject, they would be carried beyond any inquiry definitely called for by the Bills. At the same time they desired not to express any opinion which might be thought to prejudice the determination in due course of so serious a matter, and they joined with the rest of the Committee in recommending the question for the consideration of Parliament.

MANUFACTURE OF POISON GAS.

Sir A. Williamson, for the Secretary for War, stated in the House of Commons, on December 7, that very great assistance in the production of the gases adopted during the earlier stages of the war was rendered by chemical firms of long standing. When it became necessary to provide for the manufacture of the more complex organic compounds developed towards the end of the war, assistance was also obtained from the dye industry; but, in view of the weak position of the latter, then in course of development, the bulk of these compounds had to be made in Government factories, specially erected for the purpose. If there had been in this country a highly organised dye industry, such as was, and is still, possessed by Germany, the plant necessary for the manufacture of these offensive agents would have been available, and production could have been arranged with far less difficulty and loss of time. There is a very intimate connection between the manufacture of dyes and the manufacture of explosives and chemical munitions (which include lethal gases, lachrymators, smoke, etc.), as the plant and technique of the former are admirably suited for the production of the latter, and can in most cases be converted from one purpose to the other with very little difficulty or delay. In any scheme, however, of production of chemical munitions of war the co-operation of the heavy-chemical trade will be essential, especially for the purpose of supplying the necessary raw materials and intermediates. For the purposes of national defence, a chemical industry, highly developed and well organised in all its branches, is an asset of the greatest value.

CLINICAL THERMOMETERS.

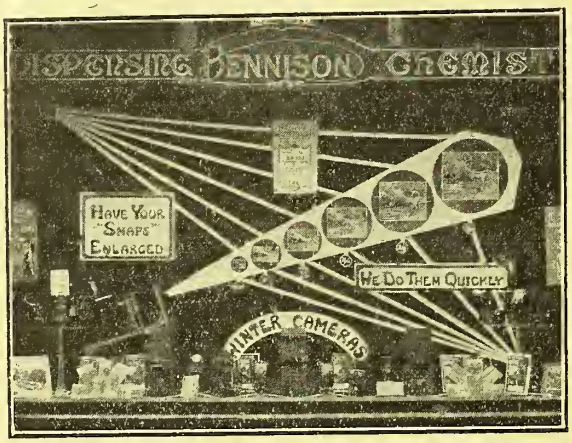
During the Committee stage of the Ministry of Health (Miscellaneous Provisions) Bill, Clause 12 (Regulation of Sale of Clinical Thermometers) was considered. Mr. Lorden suggested that the Minister of Health should tell the Committee what would be the cost to the Exchequer or Treasury of the department set up by the clause. Before the war there was in existence a small department to which people could submit clinical thermometers for testing if they wished to do so; but he was informed that during the war the department became very much inflated, a number of high-salaried officials being employed. He would oppose the clause unless assured that there would be no cost to the Exchequer, and that it would involve no restrictions of trade. Mr. Kiley, in opposing the clause, mentioned that whereas before the war he could purchase a clinical thermometer for 1*s.* 6*d.*, he had now to pay 6*s.* 6*d.* If the clause were carried and the department set up, the additional charge would fall upon the consumer. Before the war people could get thermometers tested if they desired, and he did not see why any change should be made. Colonel Leslie Wilson said that before the war 40 per cent. of the clinical thermometers tested were found to be inaccurate. On a division the motion that the clause stand part of the Bill was carried by 19 against 14.

Commenting on this clause "The Times" states:

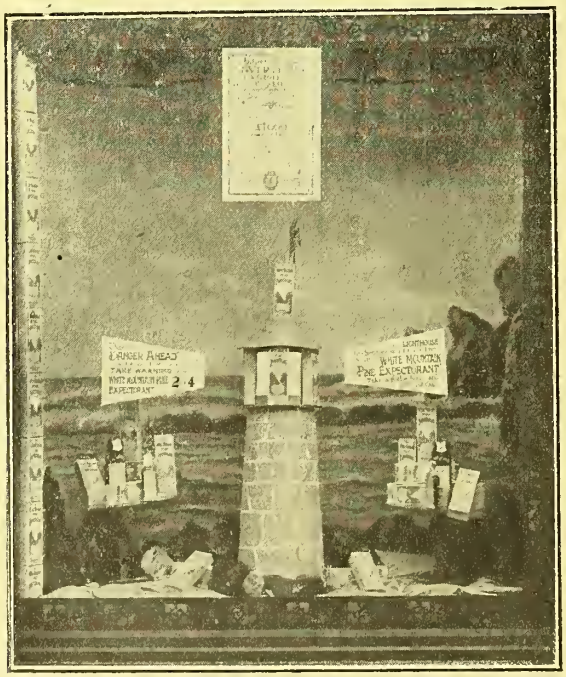
At the present time we are suffering from an excess of legislation, and need a respite from it, but most private members seem to think otherwise. This question of the clinical thermometers is a very good illustration. On the surface it may appear to be a comparatively trivial matter, and we ourselves at first described the clause as one to which no exception need be taken. Yet the real test of all such clauses just now must be whether they involve any sort of expenditure, great or small. Doctors can already buy reliable clinical thermometers if they give a fair price for them, and if they deal with British firms of good standing instead of seeking cheap German articles. Does such a matter really require legislation? Painful experience has taught us what to expect whenever the Ministry of Health sees the smallest chance of starting a new department. Sir George Newman, the chief medical officer, who proudly describes himself in a recent Parliamentary Paper as *primus inter pares*, may conceivably demonstrate in a voluminous report that the testing of clinical thermometers is necessary for the salvation of the debilitated population of Great Britain. Thereupon we may see the creation of a great Clinical Thermometer Testing Department, with a Controller, a Secretary, several highly-paid doctors, a few "Principals" (nobody is a mere principal clerk at the Ministry of Health, which boasts of twenty-five "Principals" at 900*l.* a year and twenty-five "Assistant Principals" at 500*l.*, before one gets to the clerks at all), an assortment of Inspectors, two or three humble laboratory assistants, who will do the real work, and the regulation quota of charwomen. This is no fancy picture. Dr. Addison cannot now be trusted with the starting of the smallest Department without a clear preliminary estimate of what it is to cost. The House of Commons should take Dr. Addison's own hint, for if he is not really anxious about the passing of any particular clause it must be superfluous indeed. We therefore suggest the deletion of Clause 12.

International Advertising Exhibition.

As indicated in our previous notice of the International Advertising Exhibition (*C. & D.*, December 4, p. 74), the windows of retail chemists took quite as high a position, as a whole, in the window-dressing competition as could have been expected. We have pleasure in reproducing two of the winning displays. The first, which was referred to in our last issue, comes from 325 King's Road, Chelsea, London, S.W. 3, one of the branches of Bennison's, Ltd., and was designed by Mr. Harold Pickett,



chemist and druggist. The second was planned by Mr. S. H. Cunningham, an assistant at Parke's Drug Stores, 226 Upper Richmond Road, East Sheen, S.W. 14. Both



are self-explanatory, with the exception of the detail that at night an actual beam of light is thrown from the enlarging lantern in the photographic window. In addition to the prize secured by Mr. W. Williamson, recorded in our last issue, four other Leicester competitors, Messrs. Marfitt, Martin, Langham, and Goodess, obtained similar recognition, and another two won diplomas. There were thirteen entries from this centre.

We learn that, during the visit of the Royal party to the International Advertising Exhibition on December 3, the attention of Her Majesty the Queen was attracted by one of the large photographs forming part of THE CHEMIST AND DRUGGIST exhibit. This was a view of the reconstructed shop of John Smith, apothecary, at the sign of the "Wilde Man," Old Bailey, London, dated 1662, and was exhibited by permission of the Wellcome Historical Medical Museum, Wigmore Street, W., the owners of the shop itself, and of the copyright of the photograph. A small illustration of this shop was given in THE CHEMIST AND DRUGGIST, II., 1913, p. 974. A view of a scene in the wholesale drug market was also shown at the stand.

In addition to various reminders of the past similarly adorning other stands, there was a small but valuable exhibit of old newspapers, playbills, and other publications lent from a few collections. So far as these related to the drug-trade, the selection made was somewhat fortuitous. The old style of tooth-powder label, which has to be cut out of its sheet with scissors, is not quite so obsolete as the arrangers of the section appeared to think; nor was the rough classification of subjects adopted conducive to a true perspective. Some of the advertisements, however, were pleasingly quaint. Of the physicians' puffs—cruelly arranged under the heading "Quack Doctors"—that of a certain J. Russel, "at the Two Blue Posts against Grays Inn in Holbourn," was perhaps the cleverest; it set forth the merits of his "Elixirated Spirit of Scurvy-Grass," and enforced the lesson in a border filled with realistic illustrations of trepanning and other cheerful operations. Its date was 1665. An almost forgotten chapter in the history of proprietary medicines was reopened in an advertisement of a "Cure for the Itch" (1742), obtainable only at Cross-Grove's Printing Office in St. Giles's, Norwich. The self-praise of John Varwell, a spectacle-maker (1697), boldly included a representation of Archimedes with a telescope mounted on a tripod; and, more than a century later, a bill relating to a "grand hydro-oxygen gas microscope" announced a magnification of 3,000,000 times. (The latter was reminiscent of Sam Weller's reference to his eyes in the course of the Pickwick trial.) The stomachic lozenges sold by Newbery & W. Bayley were old friends, as was the Circassian Paste of Ninon de L'Enclos. The camphorated matches of Mr. R. Chapman, "chemist, 442 Strand" (1813), deserve mention for their superiority (which we will take on trust) in the matter of smell; but Mr. Chapman omitted to state how many were contained in the cases, priced at from 4*s.* 6*d.* to 12*s.* each. One of the most taking announcements was that of Mr. Lock, "362 Oxford Street, three doors below the Pantheon" (1839), who "continues to cure the Tooth-Ache, by Fumigation, or Steam from Foreign Herbs . . . the Cure is effected in three seconds." The *clou* of the collection was a Caxton, dating from 1477; it is believed that only two copies are in existence.

The total attendance during the six days is given as 261,000. The promotion of another advertising exhibition is announced; communications with reference to it may be addressed to the Administrator, 167 Strand, London, W.C. 2.

DUTCH DRUGGISTS' EXHIBITION.—The seventh annual exhibition for druggists will be held at Bellevue House, Amsterdam, from March 19 to 22, 1921. On this occasion the exhibition will be international in character, and special prominence will be given to the dyes industry.

MEXICAN DRUGS.—The Department of Overseas Trade has received from the Secretary of the British Trade Board, Mexico, a range of samples of various Mexican raw products. The collection comprises a large number of samples of Mexican herbs and drugs which are understood to be used extensively in the local pharmacies of the Republic and also exported to Europe. The samples may be inspected on application at the Chemical Section of the Department, at 35 Old Queen Street, Westminster, London, S.W. 1.

Birth.

CHAPMAN.—At 66 Queen's Road, Urmston, Manchester, on December 6, the wife of Andrew Chapman, of a son.

Deaths.

ABNEY.—At Folkestone, on December 2, Sir William de Wiveleslie Abney, K.C.B., F.R.S., J.P., aged seventy-seven. Sir William Abney, who was a native of Derby, began his career in the Royal Engineers. Soon, however, he decided to devote himself to scientific pursuits: he was elected a Fellow of the Royal Society in 1876, and was awarded the Society's Rumford medal six years later for research on radiation. It was about this time that the chemistry of the photographic plate was engaging scientific attention. Captain Abney (as he was then) was a prominent worker in this field, and his treatise, "Photography with Emulsions," was long regarded as the standard work on the subject. A little later came the colour-sensitive plate, and eventually a practical means of producing photographs in natural colours by the three-colour process. In all this work he figured pre-eminently contributing many valuable papers to the scientific Press and to various societies, notably the Royal Photographic Society, of which he was at one time President for four years in succession. His work "Instruction in Photography" has seen many editions. In 1884 Sir William was appointed assistant director for science in the Science and Art Department, South Kensington; he became a director in 1893, and assistant secretary six years later. He subsequently held various other official appointments. In 1905 he was elected a Vice-President of the Royal Institution, and during his long career he served as President of the Royal Astronomical Society and the Physical Society. Sir William was twice married, and is survived by a son and three daughters.

ECCLES.—At Holmlea, Bryansburn Road, Bangor, co. Down, on November 21, the mother of Mr. R. I. Eccles, M.P.S.I., The Square, Athy, co. Kildare.

LYNN.—At 2 The Lodge, Sinclair Mansions, London, W. 12, on November 21, Mr. John Robert Lynn, chemist and druggist, aged fifty-eight.

PICKERING.—At Harpenden, on December 5, Mr. S. P. M. Pickering, F.R.S., M.A., F.I.C., F.C.S., aged sixty-two. Educated at Eton and Oxford (where he gained first-class honours in science), Mr. Pickering was, for health reasons, compelled to lead an open-air life, and eventually became director of the Woburn experimental fruit farm. He was the author of a large number of papers, his work on copper fungicides being of considerable importance.

SAVAGE.—At the Cabra Medical Hall, Phibsborough, Dublin, on November 21, Mr. Robert John Savage, M.P.S.I. Mr. Savage passed the Licence examination in 1896.

TAYLOR.—On December 2, Sir Frederick Taylor, Bt., M.D., Past-President of the Royal College of Physicians and of the Royal Society of Medicine, aged seventy-three. Sir Frederick Taylor was a well-known consultant: he had literary tastes as well as medical learning, and both were apparent in his "Practice of Medicine." He was for some time on the staff of Guy's Hospital, and held many scholastic and other appointments. The baronetcy, which was conferred in 1917, passes to Dr. Eric Stuart Taylor, his son.

LEAD ACETATE.—The manufacture of acetate of lead was an industry begun during the war. A firm which started it writes to the "Morning Post": Our present selling price, showing 5 per cent. profit, means 82*l.* per ton. We have definite information that the material was offered from Germany this week at 65*l.* per ton c.i.f. Manchester, at which figure it is quite impossible for anyone in England to produce on the present price of metallic lead and acetic acid.

Personalities.

MR. S. H. LEADBEATER, chemist and druggist, Bexley, has been elected to fill a vacancy on the local urban district council.

MR. JOHN GIBSON, F.C.S., chemist and druggist, Hexham, was elected a Fellow of the Society of Antiquaries of Scotland on November 30.

MR. H. R. GIBBS, chemist and druggist, Wellington, New Zealand, who has been paying a visit to this country, is returning on December 10 per s.s. *Naldera.*

SIR CHARLES KENDERDINE, Director of Artificial Limb Supplies and Chairman of the Advisory Council on Artificial Limbs, Ministry of Pensions, since 1917, is relinquishing his appointment.

MR. JOSEPH THOMAS, chemist and druggist, Garstang, was a successful exhibitor at the annual show of the Lancashire County Federation of Utility Poultry Societies, held at Blackburn on December 4.

MR. G. J. M. LUSHER-PENTNEY, chemist and druggist, 98 Queen's Road, Dalston, London, E. 8, successfully contested a recent municipal by-election in Hackney, being elected by a substantial majority.

THE naturalisation certificate of Hans Wilhelm Brummerstaedt, numbered A.9716, granted on June 28, 1897, has been revoked on the ground that the holder has shown himself by act to be disaffected and disloyal to his Majesty.

MR. JOHN JOSEPH ROBERT POTTER, 47 Shoot-up Hill, Brondesbury, joint managing director of Claudius Ash, Sons & Co., Ltd., London, manufacturers of dentists' materials, who died on November 1, left estate of the gross value of 5,495*l.* 7*s.* 2*d.*, with net personalty 4,698*l.* 8*s.* 4*d.*

MR. F. E. MANLEY, who was recently elected Mayor of Stoke Newington, London, N., is the City and West-End representative of Schweppes, Ltd. Mr. Manley was at one time a pupil of the late Samuel Rawson Gardiner, the historian, and prior to representing Messrs. Schweppes was manager of Johannis Water, Ltd.

W. BRO. T. A. WARD, P.M., Fidelity Lodge No. 269, was elected Prov. Grand Treasurer at the annual meeting, on December 6, of the Freemasons of the Province of East Lancashire. W. Bro. Ward, who is head of T. A. Ward & Co., Ltd., manufacturing chemists, Blackburn, passed the Qualifying examination in 1886.

MR. T. BENTLEY, chemist and druggist, the newly elected President of the North Staffordshire Chemists' Association, was elected secretary of the Association about sixteen years ago in place of the late Mr. Edmund Jones, who then became President. Mr. Bentley has acted both as vicar's and people's warden at St. Jude's, Shelton, is a Mason attached to the Portland Lodge No. 637, and a member of Sutherland Lodge No. 2166.

MR. HARRY BRINDLE, F.C.S., Ph.C., principal of the Manchester School of Pharmacy, has passed the Final examination for the London B.Sc. degree, with honours, in chemistry. Mr. Brindle, it is interesting to recall, was the winner of the tournament prize for the highest aggregate marks in the "Corner for Students" competition during the winter of 1909-10; he attributes much of his later success to the experience gained in *C. & D.* competitions.

MEDICINE-STAMP TAX IN BRAZIL.—The Brazilian *Diario Official* of September 16 publishes a decree (No. 14,355), dated September 15, which approves regulations for the levying of the sanitary-stamp tax established by Law No. 3987 of January 2, 1920. The tax is applicable to pharmaceutical specialities of Brazilian or foreign manufacture; vaccines of all kinds and the like; therapeutic sera and "apotherapicas" of all kinds, and similar articles, and is levied by means of special stamps to be stuck on the receptacles. The tax varies from 0.20 reis to 200 reis per unit.

Trade Notes.

CHRISTMAS WINDOWS.—Ideas for Christmas window decorations are given in "Dudley's Monthly," issued by Dudley & Co., 451 Holloway Road, London, N. 7.

AID FOR THE DEAF.—The British Acoustic Co., 27 St. Martin's Court, London, W.C. 2, advertise their new superpower electric phone for the deaf, which retails at 3*l*. 17*s*. 6*d*.

ESSENTIAL OILS.—The products of the Société Française de Produits Aromatiques, Lyon, are sold in the United Kingdom by the agents, Forwood & Donaldson, 26 Ropemaker Street, Finsbury, London, E.C. 1.

CRÈME DE BEAUTÉ NILDÉ.—Particulars of this new production of the Parfumerie Nildé were given in the *C. & D.* last week. It is prepared in two tints for blonde and brune. The British agency is at 8 Blenheim Street, London, W. 1.

ELECTRICAL NOVELTIES.—Archibald J. Wright, Ltd., manufacturing electricians, 61 Eden Grove, Holloway, London, N. 7, give particulars in their announcement of electrical novelties suitable for Christmas and New Year festivities.

ATUKO PERFUMERY.—S. Murray & Co., Ltd., 11 Farringdon Road, London, E.C. 1, show in their advertisement the various forms in which Atuko concentrated perfumery is packed. These are good value, and particularly suited for Christmas trade.

FOOD COLOURS.—Mr. K. B. Mavlankar, Minerva House, 26-27 Hatton Garden, London, E.C. 1, supplies the harmless food colours made by the Heath Manufacturing Co., St. Louis, U.S.A. His other agencies are also referred to in the advertisement in this issue.

URODONAL.—Etablissements Chatelain have appointed Mr. M. E. Boussard, 7 Paddington Street, London, W. 1, as their sole agent in the United Kingdom for their pharmaceutical preparations. These include Urodonal, of which the wholesale and retail prices are given in Mr. Boussard's advertisement.

POCKET-CALENDARS.—Price's Patent Candle Co., Ltd., Battersea, have again issued their perfumed pocket-calendars. This year the cards are scented with a captivating perfume, soon to be placed on the market. Applications for calendars and for details of the perfume should be sent to the company.

BOOMING QUIN - QUENNA. — Leighton Laboratories, 35 Gray's Inn Road, London, W.C. 1, reproduce an advertisement which is being inserted in the Press inviting applications for trial outfits of Quin-Quenna, Quinolox, and Bi-pastrate of Quinolox. This campaign, of which particulars are given, is bound to increase the demand for the preparations referred to.

JAY MACK'S LEDGERS have reached the fifth edition, and even at the new price of 21*s*. the cost only averages 5*s*. a year for bookkeeping. There is no doubt that income-tax assessors will appreciate the neat and orderly form of accounts as used in Mack's system. Jay Mack tells us he showed his detailed sheets of 1907 stocktaking with 8,000 items for a stock of 400*l*., which impressed the assessor with the difficulty of chemists' stocktaking.

"ECLIPSE" HOT-WATER BOTTLES.—J. G. Ingram & Son, Ltd., The London Indiarubber Works, Hackney Wick, London, E. 9, are supplying for counter distribution a booklet and folder which enumerate the chief advantages of the "Eclipse" hot-water bottle. Illustrations are given of the patented neck, which prevents the possibility of leakage—the vulnerable point in hot-water bottles. Chemists can obtain a supply of this advertising matter on application.

MONTSERRAT PAPAIN.—The exports from Montserrat during 1918 amounted to 722 lb., valued at 577*l*., against 1,877 lb., valued at 1,173*l*., in 1917.

Associations' Winter Session.

Belfast.—The annual meeting of the North Irish Pharmacists' Association was held in the Assembly Buildings, Belfast, on December 1; the outgoing President (Mr. Hugh Crail) occupying the chair. There was a large attendance. A lantern-lecture on "The Nature and Use of Biological Products" had to be postponed, owing to the illness of Dr. White. Mr. James Dundee, hon. secretary, submitted the Committee's report, which gave a summary of the chief events during the year. Mr. A. Wilson (treasurer) submitted the treasurer's statement, which was of a satisfactory nature. The reports having been adopted, the following office-bearers for the ensuring year were elected: *President*, J. A. Bingham; *Vice-Presidents*, J. W. Nicholl, Wm. Macartney, Wm. Hanna, J.P. (Bangor), H. Lancashire, J.P. (Ballymana), R. W. M'Knight, H. Crail, J. C. Culbert, A. W. Mann (Lurgan), and J. Dundee; *Hon. Treasurer*, Mr. A. Wilson (Mountpottinger, Belfast); *Committee*, Messrs. J. Poots (Newtownards), H. Todd, J. Hewton, D. Henderson, M. M'Donald, R. Andrew, J. P. Bowden, R. I. Edwards, A. Morris, and J. McLoughlin; *Auditors*, Messrs. H. F. Moore and J. Guiler. Mr. Dundee having intimated that he did not propose to seek re-election as hon. secretary, Mr J. C. Culbert was unanimously appointed, and Mr. Dundee's name was added to the list of Vice-Presidents.

Brighton.— The annual meeting of the Brighton and Hove Association of Pharmacy was held on December 1, the President (Mr. C. G. Yates) in the chair. It was resolved to contribute 2*l*. 2*s*. to the Harrison Memorial Fund. Mr. Ashton was appointed local editor of the official war records now being compiled, and was also asked to represent the Association on the V.D. Committee. It was decided that members be asked to contribute 10*s*. this year as the Association subscription. The Pharmacy War Savings Committee, having had over 5,500*l*. pass through its books, was ordered to be formally wound up, and the secretary, Mr. Kingsley Padwick, was thanked for his services. The Association's retiring secretary, Mr. Edgar Jones, was accorded a hearty vote of thanks for the services he had rendered during his five and a-half years' tenure of the office, and Mr. F. W. Burgess was elected *Secretary* in his stead. Mr. C. G. Yates was asked to retain the office of *President*. Other officials remain unchanged.

London (E.). — The East London Pharmacists' Association held a meeting at Limehouse on December 2. Mr. A. R. Keith (President) in the chair. A resolution of condolence with the widow and family of the late Mr. H. T. Hines was passed. The chairman gave an account of the events which led up to the Joint Council and Local Associations' Executive Committee's proposed scheme for the formation of a chemists' trade union. A resolution was afterwards passed approving of the scheme with the reservation that the officers and Executive Committee should be appointed only by the direct vote of the members of the union. An informal discussion followed on retail prices and unprofitable proprietaries.

Information Department.

INFORMATION WANTED.

G/812. Machines for spreading gum on fly-papers
T/612. Rene pomade hongroise
G/312. The Pygmy pellet press
B/912. Limpet truss.
L/312. Mackill's asthma cure
A/312. Instanta hair dye
D/212. Dr. Paton's anti-diphtheritic serum
S/212. Beauty brand soap

INFORMATION SUPPLIED.

Adalin tablets, B/712
Chlorogen, S/112
Clark's condition powders, M/712
Curtis's abdominal belt, B/312
Dols' flannel, M/112
Kingsett's sulphur candles, F/412
Sauvinet's citronnade, B/712
Scholl foot appliances, B/312
Smith's patent tooth-brushes, L/112
Watson's feeding-bottles, D/612

Observations and Reflections.

By Xrayser II.

The Conference,

which is not, I hear, to be stopped by injunction, will have been held before this note appears, and criticism of the scheme to be submitted to it would therefore be idle. The great blot upon it is the one you pointed out last week, the amalgamation with the Chemists' Defence Association, which it is now evident cannot be effected without destroying, at least temporarily, its purely representative character. This, in addition to the legal difficulties the amalgamation might create, is enough to damn the whole scheme. No doubt, however, it will be accepted if submitted to the Conference. I vividly remember a talk I had with a delegate just before the by-law Conference. He was then as strongly opposed to the acceptance of the law as I, but he voted for it obediently some forty-eight hours later. So much for Conferences summoned and engineered by the Society's officials.

The Letter

from the North British Branch was evidently somewhat of a "staggerer" to the Council, and well it might be. It accuses the Council of indecent haste, and of travelling beyond both its province and its powers. The Society, whatever its original constitution, is now a statutory body, and that it is forbidden by law to form itself into a trade union is, in the opinion of unprejudiced persons, obvious. The reference to Jacob Bell is therefore needless. The points in the letter which ought to be driven home are that the Council is "rushing" a business which more than any we have ever entered upon needs deliberation, and that its action is *ultra vires*. Of course the letter is not to be mentioned at the Conference. That would never do. Among other effects it might lead to the North British Branch being classed with those who "spread dissension" by desiring to submit so important a matter "to the whole membership of the Society."

The Silly Old Cry

of "destructive criticism" is being raised in condemnation of anybody who seriously examines this scheme of the Council's. I should like to know what those who utter it would say of one who ventured to propound a scheme of his own in opposition to the Council's. Surely that would be to create still further dissension! But what is needed just now is precisely what is called destructive criticism: before we begin to build we must clear the ground; the very head and front of the Society's offence is that it leaves us no time to do this. It ought to be ordered off the ground until we know how the land lies and can get a clear look all round. That, at any rate, is the whole point of my criticism of its action. Has anybody really faced the question (to name only one difficulty that may have to be faced) of the position of managers of branch shops under this new scheme? They can only be called "employer-pharmacists" by a legal fiction: in reality, they are as truly employees as the men who serve under them. This, I say, is only one of several anomalies that are in danger of being ignored, and may ultimately wreck the scheme. Any criticism that prevents them is welcome, or should be.

That Promising "Plum" Tree,

the Proprietary Medicines Bill, has suffered a good deal from the harsh winds of criticism, and I gather from your article on the subject that these autumnal frosts may yet nip its fruit in the bud. From the point of view of the pharmacist in business, it is much improved by the changes it has undergone, but he would not grieve if the Bill were dropped. As for the prospective Registrar, whoever he may be, and the expectant doctors, we shall not waste any tears on them. The plum is a pretty fruit, but it often proves a dangerous diet, and, as Lyte says, "ingenders naughtie blood." The Registrar-designate, if the Bill really comes to nothing, may console himself with the reflection that he would have had no sinecure.

The Cost of Living,

according to the Ministry of Labour, was at the beginning of November 176 per cent. above the pre-war level, and more than 12 per cent. above the level of the previous month. On this ground alone the inadequacy of the Local Associations Executive's demand for a 20-25 per cent. increase in the Insurance dispensing-fee is obvious, and it would be easy to prove that the advance in the cost of carrying on business is greater still. As I pointed out a fortnight ago, the terms for which the L.A.E. asks are only 5-10 per cent. higher than we showed ourselves entitled to last year at this time, and I sincerely hope a stand will be made for something better than this.

There were Advertisements

before there was the word "advertisement," which does not appear in English until late in the fifteenth century, and had then a very different meaning from its present one. It grew out of the French *avertir*, to turn to, which gave us first "advert," meaning to turn attention to, to take notice, to refer to. The lengthened form, "advertise," when it first appeared had the same meaning, as when an old writer says, "Not advertising who speaketh the words, but what is said." Some fifty years later than this we meet with such sentences as "If thou find anything that shal not be to thy liking, in friendship advertise me"—that is, let me know. "Advertisement" had a similar double meaning: it signified either turning one's mind to a thing or calling the attention of others to it, at first by way of warning, admonition, or instruction—"Give me no counsels, my griefs cry louder than advertisement," says Leonato in "Much Ado about Nothing"—and then simply as giving notice, either privately or publicly. The town crier (who still survives in out-of-the-way places) was the chief medium of advertisement at one time. My experience is that one had to have good ears to make out what he was crying.

What is an Elixir?

I ask the question with Wootton's "Chronicles of Pharmacy" before me, in which the etymology of the word is given, but the etymology does not go far towards explaining the use of the word in medicine. If originally it had a purely medicinal meaning it was that of a drying powder for wounds, which it soon lost; but this is at least not proved, and it is impossible to dissociate the term from its use in alchemy, in which it is virtually synonymous with the philosopher's stone. This "stone" is itself so illusive as to baffle description, and anything like a definition of it is impossible. Confining my inquiry to British pharmacy, I am almost equally at a loss for a definition of "elixir." That given by Bailey in 1736—"A compound magistery, *i.e.*, a composition of various bodies changed after the same manner as a single body"—conveys no definite meaning to my mind, and his later one—"A very fine and useful tincture . . . where the ingredients are almost dissolved in the menstruum, and give it a thicker consistence than a tincture"—does not accord with the facts. Johnson gives five definitions, of which one follows Bailey and one is no definition at all, being simply "Any cordial." There were no elixirs in our first two Pharmacopœias; when introduced they were classed with tinctures, and in some cases the terms "tincture" and "elixir" were used interchangeably. I doubt whether any satisfactory reason can be given for distinguishing between the two, as in other cases was nominally done, and it was for this cause, no doubt, that the term "elixir" was dropped in 1788. But it still survives in popular use, and there are no less than fifty-nine preparations so called in the British Pharmaceutical Codex, 1908, most of which would be as well away. The term seems now to be used mainly of sweetened and aromatic preparations, but some of the older elixirs could hardly be so described. Rennie was right in calling elixir "an indefinite term."

A PIECE of smouldering charcoal placed in a drawer after a lecture caused a fire in the science block at Radley College recently. The damage is estimated at 150*l*.

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Editorial Articles.

The Fine Chemical Market.

In view of the Dyestuffs (Import Regulation) Bill, which passed its second reading on Tuesday, it is of interest to call attention to the present position of the so-called fine-chemical industry in this country, the prosperity of which is bound up with that of dyes. It is common knowledge that the foundations of this industry were built up during the war, and up to the time of the famous Sankey judgment (December 1919), which decided that the Proclamation under Section 43 of the Customs Consolidation Act of 1876, prohibiting the importation of dyestuffs, was illegal, there was no reason to complain of the progress made. Since that date, however, there has been a free and unrestricted market in imports, and for the past six or nine months the effect of German and American competition has become intensified, so much so that production in certain lines is at a standstill, and in some instances abandoned. That Germany is out to destroy the infant industry has been evident for some time past, and she can cheerfully afford to sell below cost as a temporary measure. The fact that the German rate of exchange stands at between 250 to 300 marks to the pound sterling enables her to offer fine chemicals at prices which preclude competition from British makers. Moreover, the cost of labour is much lower in Germany than here, and the hours are longer. This, in a measure, accounts for the rapid recovery of the German chemical industry, and the fact that the more important factories are located in the Occupied Territory gives a security from political uncertainty. This unceasing flow of chemicals at steadily declining prices has, during the past six to nine months, brought about a lack of confidence both among home and expert buyers, and while this process of deflation is taking place only hand-to-mouth buying is apparent. To-day a few items are selling at approximately pre-war prices, and some below makers' costs. Public attention is being drawn in "The Times" to the critical position of the industry, and in the course of a statement from the Association of British Chemical Manufacturers the following chemicals of foreign origin are mentioned

as being offered in this country at approximately the cost of production, or less:

Salicylic acid, sodium salicylate, homatropine hydrobromide, eserine sulphate, cocaine hydrochloride, hyoscine hydrobromide, hydrastine hydrochloride, potassium bromide, aspirin, hexamine, formaldehyde, benzoic acid and benzoates, acetanilide, geraniol, rhodinol, synthetic perfumes generally, saccharin, adalin, aristochin, atropine, benzonaphthol, beta naphthol, phenolphthalein, salol, thymol, xeroform, amidol, metol, etc.

We have compiled from our records the following list, which gives an idea of the remarkable change in the position, and comparing the prices as they stood (1) immediately prior to the war, (2) in Armistice week, (3) November 30, 1920:

—		July 1914	Armistice week, Nov. 1918	Nov. 30, 1920
Acetanilide	lb.	10d.	5s. 9d.	3s.
Acetic acid (glac.)	ton	28l.	none	88l.
Aspirin	lb.	1s. 8d.	17s. 6d.	4s.
Amidopyrin	,,	9s. 6d.	65s.	27s. 6d.
Barbitone	lb.	20s.	95s.	20s.
Bromides:				
Ammon.	lb.	2s.	7s.	1s 3d.
Potash	,,	1s. 6½d.	7s. 6d.	1s. 2d.
Soda	,,	1s. 10d.	5s. 6d.	1s. 2d.
Caffeine, pure	,,	15s.	45s.	40s.
Carbolic acid crystals	,,	3½d.	1s. 10d.	10d.
Chloral hydrate	,,	3s. 6d.	13s. 6d.	5s. 9d.
Citric acid	,,	2s. 5d.	5s. 3d.	3s.
Cocaine hyd.	oz.	4s. 5d.	52s. 6d.	16s.
Codeine, pure	,,	12s. 10d.	30s.	20s.
Cream of tartar	cwt.	98s.	415s.	200s. (nom.)
Formaldehyde	,,	40s.	150s.	145s.
Guaiacol, carb.	lb.	7s.	85s.	22s.
Hexamine	,,	1s. 10d.	6s. 6d.	7s.
Hydroquinone	,,	2s.	15s. 9d.	7s.
Lithia carb.	,,	2s. 6d.	12s.	8s. 3d.
Lithia citrate	,,	3s. 6d.	9s.	7s. 9d.
Methyl salicylate	,,	1s.	6s. 6d.	3s. 3d.
Milk-sugar	cwt.	58s. 6d.	3s. 6d. (lb.)	175s.
Paraldehyde	lb.	1s. 6d.	9s.	3s.
Phenacetin	,,	2s. 9d.	18s.	11s. 6d.
Phenazone	,,	6s. 6d.	54s.	10s.
Phenolphthalein	,,	5s. 6d.	40s.	7s.
Potash permang.	cwt.	50s.	11s.	3s.
Pyrogallic acid crystals	lb.	8s. 10½d.	15s. 9d.	11s. 6d.
Quinine	oz.	1s. 0½d.	2s. 11d.	3s. 10d.
Resorcin	lb.	2s. 6d.	40s.	12s.
Salicylic acid	,,	11d.	4s. 3d.	2s.
Salol	,,	1s. 10d.	8s. 9d.	4s.
Soda salicylate	,,	1s. 2d.	5s. 6d.	2s. 10d.
Sulphonal	,,	9s.	125s.	25s.
Tartaric acid	,,	1s. 1d.	3s. 10d.	2s. 3d.
Thymol	,,	7s. 6d.	45s.	40s.
Vanillin	,,	15s.	66s.	59s.

There are several reasons accounting for this collapse in prices. The sudden change came over the market fully six months ago, but only the far-sighted had read the handwriting on the wall. The financial crisis in Japan (a large buyer of chemicals), however, first gave the European and American market a severe shock, as not only did she cease buying, but cancelled many current contracts, and was a re-seller. Then speculation in Germany, which had risen out of all proportion in chemicals, suddenly collapsed, and the United States ceased buying. As a matter of fact, the decline of prices in the United States has been more rapid than elsewhere, and the average level is now lower than any reached since the Armistice, two years ago, and during the past four or six weeks the fall has been accelerated, as stocks accumulated. Other contributory causes to the collapse at home have been the withdrawal of financial facilities by the banks, the demoralised foreign exchanges, industrial unrest, excessive taxation, and the unwillingness or inability of the Government to cease extravagance. It now remains to be seen whether any relief will be afforded by the legislation now in progress.

Preventing Illegal Expenditure.

THE sensational telegram to the President of the Pharmaceutical Society that he should ensure that the Society's funds were not to be spent in promoting the Pharmaceutical Union which was communicated to us last week by the Secretary of the Society (*C. & D.*, December 4, p. 75), brought the direct statement from the President that "illegal expenditure will not be incurred upon the Local Associations Conference." Upon receiving this assurance the Metropolitan members, who represented several London associations, presumably decided that there was no reason for further steps to be taken. Those who have followed the tortuous career of the Local Associations Executive, the reconstructions and alterations of its constitution, and have heard the Society's officials declare time after time that the Local Associations Executive is a sub-committee of the Council, are naturally puzzled by the terms of the President's telegram. It will be remembered that the Local Associations Executive in 1916, through Mr. E. White, declared itself to be an integral part of the Society, and that the Society is responsible for the views and actions of the L.A.E. This appears to be a sufficiently definite assertion, and there have been others since by the Society's officers. What we think has happened now is that the L.A.E., at its first meeting since the injunction restraining the Society from carrying on trade functions, dissociated itself from the Society by resolution. No report to this effect seems to have been laid before the Council of the Pharmaceutical Society, and, of course, would not be needed if the L.A.E. asserted its independence. It follows that the L.A.E. would retain its funds, which are provided by panel chemists ostensibly for the purpose of checking the pricing of Insurance prescriptions, but in reality yielding a handsome surplus from that service to apply to other purposes for the benefit of chemists. Instead, therefore, of the Council spending its funds upon the formation of a trade union, it is obvious, if our surmise is correct, that the money to be used in paying the railway fares and sustenance of the Conference delegates is being provided by the L.A.E. The Chemists' Defence Association, Ltd., cannot under the Companies Act engage in trade-union promotion, nor can the Proprietary Articles Trade Association, as there are other persons than qualified chemists included in the membership. The last two bodies will therefore benefit by their alliance with the new Union, and will not be able to repay the panel chemists who behave so generously to them. Probably the fact that all the notices regarding the formation of the new Union were sent out en paper headed "Pharmaceutical Society of Great Britain" contributed to mislead the Metropolitan members, whose prompt action obtained from the President the declaration that "illegal expenditure will not be incurred." So that the Society's officials have only themselves to blame for exciting the suspicion that the injunction was not being correctly observed.

ALCOHOLIC SOLUTIONS cannot be prescribed with syrup of iodide of iron, as this syrup is so prone to decomposition with liberation of free iodine and production of basic iron salt that the odour of iodoform may be and is occasionally noted.

Local Associations Conference.

London, December 8, 1920.

THE predominant feature of the Conference of Local Associations delegates, which met in the hall of the Hearts of Oak Friendly Society, Euston Road, London, N.W., on December 8, was the tacit reinforcement of the appeal for unity put forward, ever since judgment was given in the test case, by THE CHEMIST AND DRUGGIST. The proceedings began and ended in the shadow of an overhead fog, which, however, affected neither the attendance nor the keenness of the speakers. As some of the interjections showed, there was a certain amount of inflammable material lying about; but the Conference was an advance on its predecessor in dignity and restraint. The President of the Pharmaceutical Society (Mr. E. T. Neathercoat) earned a distinct personal triumph not only by his brief opening speech (which occupied just nine minutes), but also by his tact in dealing with the bombardment of amendments to which he was subjected. Some of these amendments, as will be seen in the full report that follows, lent plausibility to the well-worn gibe about chemists thinking in grains—*cœlum non animum mutant*—and Mr. Neathercoat allowed considerable latitude in this respect. Near the close of the proceedings he cordially praised Mr. Mallinson, and went on to pay a graceful tribute to Mr. William Johnston, whose work in connection with the Proprietary Articles Trade Association and the Chemists' Defence Association is not likely to be forgotten by the present generation of pharmacists. A proposal to hand over half the Pharmaceutical Society's membership subscription to each of the local associations on certain conditions evidently came as a surprise to most of the audience, and will probably give rise to discussion. Supporting the President of the Pharmaceutical Society on the platform were the Vice-President (Mr. F. P. Sargeant), Mr. R. Feaver Clarke, Mr. W. L. Currie, Mr. J. W. Deakin, Mr. J. P. Gilmour, Sir William Glyn-Jones, Mr. L. Joseph, Mr. J. Keall, Mr. A. R. Keith, Mr. G. A. Mallinson, Mr. A. R. Melhuish, Mr. L. M. Parry, Mr. P. F. Rowsell, Mr. E. White, Mr. H. Wolff, and others. Two at least of the members of the Society's Council—Mr. A. S. Campkin and Mr. Herbert Skinner—sat among the delegates. A few "bulls' eyes" were scored by speakers not hitherto well known in pharmacy, and this fact is of good omen.

THE PRESIDENT'S SPEECH.

The PRESIDENT, who on rising was greeted with applause, said: Gentlemen, my first duty is to offer, on behalf of the Pharmaceutical Society, a very hearty welcome to the delegates who have assembled at this Conference this morning. I do not know by which of the delegates or from which area this fog has been brought this morning—(laughter, and a voice, "London")—but in any case I am not really concerned, because I take it that, whatever the conditions may be outside, it will be my duty, as it would be that of any good chairman, to see that all elements of the kind are kept out of this building this morning. (Hear, hear.) Well, now, gentlemen, this Conference has been called by the Pharmaceutical Society of delegates from the local associations and the Pharmaceutical Committees in the country in order that we may consider together the draft proposals for a pharmaceutical union which have been drawn up by another body with a different constitution; and, having considered these proposals, to consider also whether we would recommend the Society to hand over to that body some of the other functions which it is not necessary for them to hand over to the outside body in view of the judgment in the test case. That is to say, if we are satisfied that this new body is one that is representative of the pharmaceutical community, we shall consider whether we shall hand over to it the work and the duties of the Central Insurance Executive and the Central Checking Bureau, which up till now have been conducted at the headquarters of the Society. We shall have further to consider a communication we have received from the Ministry of Health with regard to the Insurance terms for next year, and I hope also, if we have time—and I hope we shall have time—the question of the local associations of the Society and the question of their future relation to the Pharmaceutical Society and the membership of the Society as well. (Applause.) Well, now, having roughly, in that way, outlined to you what the programme before us this morning is, it is not necessary for me, I am quite sure, to remind you that the business before the Conference is of a most important character. We have had several conferences during the last few years on lines somewhat similar to this one, but I really think that on no previous occasion have the delegates been asked to consider a change which has such a vital bearing upon the pharmaceutical community and upon the activities of the Pharmaceutical Society as the change placed in front of you for your consideration to-day. (Hear, hear.) I would like, therefore, to outline to you in just a few brief sentences the way in which I propose, with your permission and your co-operation, to conduct this Conference this morning. It has been impossible, owing to circumstances which you will readily understand, for us to prepare and submit to the delegates any definite resolutions that may have been sent up to us from the local associations or the Pharmaceutical Committees in the country. I propose, however, to submit to you from the platform three or four quite general resolutions; and I would suggest to you that round these resolutions you will be able to discuss the questions that are put in front of you for your consideration. Any resolution which any of the delegates are instructed by their respective bodies to propose will be submitted to the meeting by me, provided I have placed in my hands before the question is called on such resolutions definitely written down, with the names of the proposers and seconders, on the forms which you will find in front of you on your benches. I will give you the undertaking that any such resolution sent up to me previously to the question being called shall receive the attention of the meeting. Everybody at this Conference will have a perfectly fair and free opportunity to discuss the whole of the questions that come in front of the Conference. I quite understand that on issues such as we have to deal with this morning there may be sharp cleavages of opinion. That being the case, I think it is only fair that I should definitely say straight away that I propose to give every opportunity to everybody from any local association or any Committee in any area which they may come from to raise questions and to debate the points involved. In concluding, the President appealed for unity among pharmacists.

STANDING ORDERS ADOPTED.

The President, referring to the standing orders governing the conduct of the meeting, which had been circulated with the other papers amongst the delegates, stated that any delegate moving or seconding a motion should not exceed five minutes in doing so, and that he would allow any member of the Council or of the Executive Committee on the platform to speak as and when occasion required.

The standing orders, amended in the way suggested and with the deletion of Nos. 1, 2, and 8, as printed, were then adopted.

A delegate inquired if members of the "platform party" would be allowed to vote, and the reply from the chair was "Delegates at this Conference are the only ones entitled to vote."

SHORTNESS OF NOTICE.

Mr. A. J. WING (London) inquired if there was any reason why such short notice was given the local associations for the discussion of the agenda. He added that it had not been possible for the secretaries of associations

in the Metropolitan areas to get their members together to discuss the details in time for that meeting.

The PRESIDENT replied that no attempt had been made on the part of the Executive in any way to hurry the meeting, except in so far that they did consider the questions at issue so vital that they thought delegates from the country should have the opportunity to consider their position as early as possible in view of the existing state of affairs. (Applause.) That was the reason the Conference had been called for that morning; and, after all, he thought a fair length of time had been given associations for consideration of the questions embodied in the agenda. (Applause.) It had been hoped that pharmacists would have recognised the urgency, and endeavoured to get their local associations together to consider the points. He was sorry the time had been so short, but urgency was the important consideration in calling the Conference together.

Mr. TAYLOR (Halifax) stated that in the North of England they had had time to consider the details.

Mr. E. A. ATKINS (London) pointed out that the agenda itself showed that no association had had time to discuss the matter; otherwise they would not only have discussed, but would have passed resolutions regarding it. If there had been time for discussion, then nearly all the associations in England had been negligent in the matter. He added that no one in London had any idea of coming forward in any quarrelsome mood or of complaining of the Executive for giving short notice. They were surely entitled to an explanation, however. The President had mentioned that he would put certain general resolutions, but he considered it would be fair if they were told straight off what these were to be, because he could foresee that the whole of the work could not be done at all in a constitutional manner unless certain vital resolutions were put—that the Conference was, first of all, in favour of a trade union; secondly, that it was in favour of fusion between the new body and the C.D.A.; and, thirdly, that there should be a chance ——(cries of "Order!").

THE DRAFT PROPOSALS.

The PRESIDENT said he did not want to have a general discussion at the commencement of the proceedings; but he would promise that the business of the meeting would be carried out in a constitutional way; and he proposed to see that every delegate knew quite clearly what the resolution that was to be proposed was going to be before he asked the proposer to move it. It was only a question of procedure; and he thought that question might with safety be left in the hands of the chairman. The first resolution—and they would have the opportunity of discussing it—was in the following terms:

> That the draft scheme be received, and that the principle of working arrangements with the Chemists' Defence Association and the Proprietary Articles Trade Association be approved for a trade organisation entirely separate from the Pharmaceutical Society.

He called upon Mr. Deakin to propose it.

Mr. J. W. DEAKIN (chairman of the Local Associations Executive), who had a cordial reception, congratulated the Conference on the fact that, however thick the mist and fog might be outside, the mental alertness of the delegates had not suffered in consequence. They might reasonably come to the conclusion that delegates had attended determined, if possible, to hammer out a scheme that day that would be satisfactory to pharmacy at large. (Applause.) There was no desire on the part of anyone interested to rush the scheme, and the resolution he proposed dealt only with the one set before them. They were not by the resolution setting up an organisation. It simply asked them to accept the terms that had been submitted. There was no doubt that those who established the scheme of the organisation of the country some years ago dealt with it in a very able manner. It marked time, and gave the country an opportunity of considering the best means of organising itself; and, now that large issues vitally affecting the pharmaceutical community had arisen as a result of the judgment, it was as well that they should at once take in hand the acceptance of a scheme that would cover these issues, and that they should deal with an issue of vital importance. To this end a Conference of the representatives of various interests was called some time ago. Representatives of the L.A.E., the directors of the C.D.A., of the P.A.T.A., and of the Pharmaceutical Council, sat and discussed the various interests involved; and he re-echoed the mind of the President when he said that nothing they might do in regard to the new association would ever damage the fundamental interests of the Pharmaceutical Society. The time had now arrived for them to say whether or not they would accept a scheme which would weld and fuse the interests of bodies which had been working for the trade side of their business. (Cries of "Time, time!") The Chemists' Defence Association had looked after their trading interests very well. (Hear, hear.) There were many present who had experienced the benefits accruing from its operations; there were others who had not availed themselves of the opportunity afforded them of participating in these. The Local Associations Executive, elected on a territorial basis, the geographical areas of whose members were clearly defined, was the strongest committee of its kind ever elected in this country. Concluding, Mr. Deakin submitted that the scheme, modified in minor details, would embrace the trading interests of pharmacists with regard to main principles, and moved that it be received and approved.

Mr. KEALL, in seconding the resolution, and speaking from the C.D.A. point of view, said he had the whole of his co-directors with him in expressing their strong approval of the scheme, which, he went on to say, visualised certain ideals and views which they had held for some time. Their desire had been that the benefits and the value of the organisation might be materially increased: and, when the decision in the test case came along, many of them felt that here was an opportunity for the realisation of their wishes. In the course of the preliminary discussions, in which they had the opportunity of participating, they felt that from the broad point of view of the unification of the trade interests of pharmacy it was up to them to throw their whole weight in support of the new organisation. (Hear, hear.) From the point of view of the C.D.A. and of the P.A.T.A. the new organisation would be of the greatest value to the commercial side of pharmacy.

The PRESIDENT intimated that the resolution was before the Conference for discussion.

Mr. A. HERSHBERG (Manchester) supported the resolution. Speaking for every man in his Association, he said, he believed the measure proposed was the best that could possibly be promulgated for pharmacy. They were of opinion that the L.A.E., which had rendered such valuable services, was the best body which could be reconstituted to represent pharmacy as a whole, and he did not think that the Conference, when it had expressed its opinion, would be found to differ from that point of view. So far as the Pharmaceutical Society itself was concerned, the continued loyalty of the country could be depended upon. It should be the duty of every delegate to impress his colleagues throughout the length and breadth of the country that the Society must be supported and maintained; and, so far as the new organisation was concerned, he felt that if it was constituted on the basis proposed it would be the best possible thing for pharmacy.

Mr. NUNDY (Warwickshire) also supported the resolution. He expressed surprise at hearing that some of the associations had not had time to consider the proposals. A resolution was passed by his Association to the effect that the Association, having carefully considered the draft constitution and rules of the Pharmaceutical Union submitted, decided to support it.

The PRESIDENT, after a lengthy discussion had ensued, asked speakers to keep to main principles and not enter into details at that juncture. As soon as the resolution was passed they would have an opportunity of considering the draft scheme paragraph by paragraph. Before they entered into details they must have a resolution approving the general principles.

At this point there were shouts of "Vote, vote."

Mr. S. F. Body (Southend) proposed "that the question be now put."

The resolution was then put from the chair, and it was declared unanimously adopted.

The Title.

The Conference then proceeded to discuss the details of the draft scheme, the President again explaining that if any amendment to any of the proposals was made it should be submitted to him in writing, with the name of the proposer and seconder, immediately the point to which it referred was mentioned.

The first proposal referred to the title, and provided:

> The title of the organisation to be "The Retail Pharmacists' Union," sub-title "A Union of Retail Employer Chemists for the Protection of Trade Interests."

Mr. C. G. Yates (Brighton) proposed that "Union" should be replaced by "Federation." He remarked that, owing to the drastic action taken by those who belonged to organisations entitled "union," there were those in the South who objected to such a title for a pharmaceutical body.

Mr. Marchant (Eastbourne) seconded.

Mr. Tims inquired whether, if they got as far as forming a union, it was intended that it should be registered as a trade union.

Mr. Deakin said delegates would realise that at that moment the organisation was not in existence. The question of registering it as a trade union was one for the new body to deal with. It might, however, clear the air if he explained that a great many of the details of the scheme dealt with questions which were purely trade-union questions, and, whether they accepted the title of "union" or not, they must remember that it was not only possible, but probable, and also certain that these questions would be dealt with on trade-union lines. Personally, as chairman of the Local Associations Executive, he was in favour of the title "union." The executive had discussed it from all points, and had come to the conclusion that "union" would more completely express the intentions they had in view. (Cries of "Vote.")

Mr. Shepheard (Chester) pointed out that in some parts of the draft scheme the phraseology as regarded title was rather curious. In some places the members of the new organisation were described as "chemists," in others "chemists and druggists," in others "pharmaceutical chemists and druggists."

On a show of hands the proposal for the substitution of "federation" for "union" was defeated by a large majority.

Mr. Hallett (Bath) proposed, and a delegate seconded, that the title should be "British Pharmaceutical Association." This also was defeated by a large majority.

Mr. A. R. Keith (London) proposed that the title should be "Retail Chemists' Union." They had been talking about protecting the word "chemist," he said; but, as a matter of fact, theirs was the only body legally entitled to use it. (Cries of "No!")

Mr. Skues (London), in seconding, argued that "pharmacist" is purely a professional term, and that there could no more be a "retail pharmacist" than a "retail doctor," a "retail dentist," or a "retail lawyer."

On a show of hands the amendment was defeated by a large majority.

A delegate proposed that the title should be "Master Pharmacists' Union (Retail)," and another delegate formally seconded.

Mr. Deakin, in opposing, said that the whole spirit of pharmacy in the past had been not to make so much differential separation between trusted assistants or managers on the one side and employers on the other. The Local Associations Executive did not like the term "Master Pharmacists."

On a show of hands the proposal was defeated.

Another proposal submitted by Mr. Hoyles (Somersetshire), and seconded by Mr. Southern (Derbyshire), was that the title should be "Retail Pharmacists' Association" instead of "Union." This also was defeated on a show of hands.

Mr. Martin (Hampshire) proposed that the sub-title should be "A Union of Retail Proprietor Chemists for the Protection of Trade Interests."

A delegate seconded the proposition. On a show of hands it was declared carried.

Mr. J. T. Appleton (Sheffield) complained that he had sent up an amendment, but it had been returned to him with the statement that it must be moved from the body of the hall.

Mr. G. A. Mallinson explained that he was the culprit, and that the question had been returned to Mr. Appleton in consequence of the procedure that had been adopted for receiving resolutions.

Mr. Appleton, having congratulated the Conference on having a lady among its delegates, proposed that the title should be "Pharmacists' Union." He was proceeding to congratulate the President on his having attained his exalted position, but his observations were interrupted by shouts of "Vote! Vote!"

A delegate seconded.

On a show of hands Mr. Appleton's proposition was defeated.

Mr. Tranmer (Smethwick) proposed that the title should be "British Pharmacists' and Chemists' Union."

A delegate seconded.

A Delegate: Are we here to argue about a name or create an organisation? (Laughter.)

On a show of hands Mr. Tranmer's proposition was defeated.

Mr. S. F. Body moved that the title should be "British Pharmaceutical Union."

Mr. Bodger seconded.

Mr. Deakin was of opinion that the word "British" must go, because it included Scotland, and Scotland asked to be left out of the scheme.

On a show of hands this proposal was unanimously defeated.

It was proposed and seconded that the amendment that the word "employer" in the sub-title should be substituted by the word "proprietor" should be put as a substantive resolution. The President put this to the meeting and it was carried.

The title was then approved, as was also the sub-title as amended.

Constitution.

The next proposal was:

> The Union shall consist of members who shall be grouped through local committees in electoral groups or divisions, and paying an inclusive subscription direct to headquarters.

This was approved.

Objects.

The objects were taken *seriatim*. The first was in the following terms:

> To exercise all or any of the functions of a trade union or employers' association of persons who carry on the business of chemists and druggists on their own account, either alone or in partnership, and of joint stock companies lawfully carrying on those businesses, and to do all things necessary for the protection of those carrying on the said businesses, and in particular to take measures to regulate the hours of business of persons and companies carrying on those businesses, to regulate wages and conditions of employment as between masters and servants in the said business, to regulate the prices at and the conditions under which chemists and druggists shall sell their goods, the provision of benefits (sick and other) for members, the imposition of restrictive conditions on the conduct of the business of a chemist and druggist, and the doing of all things likely to be conducive to the interests of chemists and druggists, and to maintain and promote for the drug trade or industry an industrial council, trade board, or other similar organisation, and to secure representation for chemists and druggists thereon.

Mr. Atkins (London) remarked that the Union would require to act in a legal manner according to the objects laid down.

Mr. METCALF (Berkshire) asked whether a union of this sort would have sufficient power to impose its rulings upon pharmacists who might possibly not join it.

Mr. TIMS took it that the draft scheme submitted was something like the memorandum of a company, which always embraced the widest scope of powers, but some of which the company never intended to exercise.

Mr. LEAN (Burton-on-Trent), referring to line seven of the paragraph as printed, pointed out that the clause provided for conditions under which members should sell their goods, but contained no provision as to buying them. The need for ensuring adequate profit did not appear to be covered by the clause as drafted. He therefore proposed that the words "buy and" should be inserted between the words "shall" and "sell."

Clause 1 was then agreed to, with the alteration proposed by Mr. Lean for the insertion of the words "buy and" between the words "shall" and "sell" in line seven of the printed copy. The next clause was :

To act as a representative or organisation of pharmaceutical chemists and druggists in all matters coming under the National Insurance Acts or any statutory amendment, extension, or re-enactment thereof, and in connection therewith to check prices, audit accounts, price prescriptions, conduct negotiations, collect information, give advice, enter into agreements with local committees for doing all or any of the above, and generally to do all things necessary to preserve and promote the interests of chemists and druggists in connection therewith.

The clause was then adopted with the insertion of the words "chemists and" before the word "druggists" in the first line of the printed copy, which was agreed to on the suggestion of Mr. Mortimer (West Riding).

To provide and maintain an employment register and a register of unsatisfactory or undesirable employees.

Mr. SMITH (Hampshire) proposed that the words after "employment register" be deleted. "Unsatisfactory or undesirable employees" were, in his opinion, fatal words to use in such a clause. A man might hold political or religious views, and for that reason be considered by his employer as an "undesirable employee." (Laughter.)

Mr. METCALF (Berkshire) seconded, holding that the clause as worded placed far too much power in the hands of a spiteful employer. It seemed to him that any reasons given for discharging a man who had proved to be an unsatisfactory employee should be substantiated by documentary evidence.

Mr. MARTIN (Hampshire), in supporting the proposal for deletion, stated that there was a proprietor-pharmacist who was a member of his Association from whom they received information that because he was interested in social and political objects was penalised for three years. That pharmacist happened to have two brothers who, like himself, were pharmacists, who held other or less pronounced views. Whenever he applied for an advertised vacancy the general response he received was, "If you are So-and-so you need not trouble, but if you are either of the other two we shall be pleased to hear from you."

Mr. HAGUE (Lincoln) contended that those who kept the register of unsatisfactory assistants would be men of ordinary average ability, and would put down in a suitable column the reasons which influenced them to believe that the assistant was unsatisfactory.

Mr. F. B. WRIDE (Southampton) regarded the provision as a very necessary one for the Union to insert in the scheme, and hoped they would have sense enough to appoint an executive that would carefully and correctly exercise the powers. Steps should be taken whereby testimonials could be properly sifted where necessary, and he thought the provision as it stood was necessary as much in the interests of the employee as of the employer.

Mr. TIMS related his experience of "a right down wrong 'un," who had been in gaol. For the benefit of all employers it was necessary that they should have the means of tracing who these unsatisfactory individuals were.

On a show of hands, the motion for the deletion of the words referred to was defeated.

Mr. ATKINS (London) thought the whole situation could be met quite easily if there were added after "employees" the words "the register to be prepared on evidence supplied to the Executive Committee." He moved accordingly.

Mr. HEARLE (London) seconded.

On a show of hands, the amendment was defeated.

A delegate proposed, and another delegate seconded, that the word "inefficient" be substituted for "undesirable." On a show of hands, this proposition was also defeated.

Clause 3 of the Objects was then adopted without alteration.

To act generally as a representative organisation of pharmaceutical chemists and chemists and druggists in all matters connected with the trade.

Mr. A. H. JENKIN (London) remarked that the wording of the paragraph was very loose. He thought the word "retail" should be introduced before the word "trade" in the last line.

The PRESIDENT expressed his willingness to accept the alteration, at the same time pointing out that the subtitle covered the point raised by Mr. Jenkin. This was carried.

To protect the members of the Union against all persons whose characters or circumstances render them unworthy of mercantile credit, and to facilitate the prompt and economical realisation of the estates of bankrupts and persons making or seeking to make arrangements or compositions with their creditors.

This was adopted without discussion.

To diffuse information as to sound principles of trading, and to impress upon the mercantile community the necessity of maintaining an intimate knowledge of the state of their affairs by periodical investigations and by keeping correct sets of business books.

Mr. SKUES (London) inquired why the words "mercantile community" were used in the clause.

Mr. MALLINSON replied that the point was that, obviously, "chemist and druggist" might cover everything, but there were chemists who were also opticians; and, in using the words "mercantile community," it was intended to cover the whole operations of a business.

Mr. SKUES proposed, and it was seconded, that the words "its members" following the words "impress upon" should be substituted for the words "the mercantile community." This was agreed to on a show of hands.

Mr. METCALF proposed that there be added to the clause, "and to assist in auditing and preparing income-tax returns." He expressed the view that the Union could very properly specialise in that sort of work. They would then have the advantage of employing accountants in their type of business, and he believed the provision would be invaluable in saving many of them a considerable sum in income-tax.

The proposition was formally seconded, and on being put to the vote was adopted.

To procure information for members as to the standing and responsibilty of parties with whom they intend to or may transact business.

This was agreed to without discussion.

To concert with Chambers of Commerce and other mercantile and public bodies throughout the United Kingdom, and promote measures for the protection of trade and traders.

Mr. DEAKIN suggested that the Conference should slightly change the wording of the clause. Chambers of Commerce, he explained, represented the industrial and commercial trade of the country, and included in their membership manufacturers and wholesalers, but not retailers. (Cries of "Yes.") Not in the sense in which they desired them included. He suggested that the words in the clause should be "Chambers of Trade," not "Chambers of Commerce."

Mr. ROWSELL : Why not "Chambers of Trade and Commerce"?

It was agreed that the wording should be altered in the way indicated by Mr. Rowsell.

Mr. Enock (Middlesbrough) proposed the addition to the clause of the words, "And it is desirable that Local Associations should become affiliated with or become sections of local Chambers of Trade."

Mr. Wride seconded.

The President stated that they were not dealing with rules, and he could not therefore accept the amendment. He was prepared, however, to give Mr. Enock an opportunity to propose his amendment as a resolution before the close of the Conference.

The clause, as amended in the manner suggested by Mr. Rowsell, was then adopted.

To originate and support, oppose, consider, and criticise alterations or improvements proposed or enacted in the commercial or other laws (including regulations and by-laws) affecting members of the Union in connection with their businesses.

This was passed without discussion.

To promote and assist in the formation of local or branch associations, whether incorporated or not, having objects altogether or in part similar to those of this Union, and to co-operate with such local or branch associations in fulfilling those objects.

Mr. Mortimer proposed that after the word "promote" in the first line "finance" should be inserted.

Mr. Jenkin (London): I would like the Chairman of the L.A.E. to tell me whether it is the intention of the new Union to leave the branches to finance themselves quite independently, or whether they are to be financed from headquarters.

Mr. Deakin replied that he thought the matter might safely be left in the hands of headquarters. If any association needed assistance it would get it. (A voice: "Make every tub stand on its own bottom.")

Mr. Rowsell thought it would be very dangerous indeed to add the word "finance" in the connection mentioned.

Mr. Nundy submitted that the amendment was out of order at that stage. Section H of the draft had to do with subscriptions, he said.

The amendment was defeated by a large majority.

Mr. Nundy proposed, and Mr. Jewell seconded, that after the word "associations" in the first line "and federations" should be inserted.

Mr. Tims asked what was meant by the words "local or branch associations whether incorporated or not." Did the words mean incorporated with their own or some other body?

Mr. Mallinson replied that obviously no one knew what any particular association in the country might want to do with itself. The words were wide enough to include any association, whether it incorporated itself with the new body or not.

After further discussion, the proposal for the insertion of the word "finance" after the word "promote" in the first line of the clause was negatived. On a show of hands the words "and federations" were inserted after the words "branch associations," and the clause thus amended was then adopted.

To subscribe to, become a member of, and co-operate with any other association or similar body, whether incorporated or not, whose objects are altogether or in part similar to those of this Union, and to procure from and communicate to any such association such information as may be likely to forward the objects of this Union.

Agreed to without discussion.

To borrow or raise or secure the payment of money in such manner as the Union shall think fit.

Agreed to without discussion.

To sell, improve, manage, develop, exchange, lease, mortgage, dispose of, turn to account, or otherwise deal with, all or any part of the property and rights of the Union.

Agreed to without discussion.

Mr. Potter (West Ham) proposed as a new clause the following:

To undertake and effect insurance either directly or as agents for or on behalf of its members.

He was not objecting, he said, that this insurance could not be effected by the C.D.A., but he was of opinion that the new Union should have power to effect insurance on behalf of its members.

Mr. Skues seconded.

Mr. H. Wolff (London) suggested a slight amendment of the suggested clause to the effect that the Union should "make arrangements for insurance." That would give the Union a free hand, he said, either to insure itself or contract out.

Mr. Rowsell mentioned that, under the articles of association of the C.D.A., they had powers to effect all kinds of insurance, so that the Union could easily arrange under these.

The addition of the new clause relating to the effecting of insurance was then put to the vote and unanimously adopted.

To do all such other things as are incidental or conducive to the attainments of the above objects.

Mr. J. H. Cuff raised the point whether the checking and pricing of insurance prescriptions would be covered by this clause.

The President replied that there was no specific clause dealing with Mr. Cuff's point, but he was quite prepared to have one put in.

After a brief discussion it was agreed that a clause be inserted:

To price and check prescriptions and accounts in connection therewith on behalf of its members.

Mr. Antcliffe (Sheffield) asked whether this new clause was not embraced in Clause 1.

The President replied that he would give an undertaking that any such alteration would be put right through as one of the objects.

The Conference at one o'clock adjourned for luncheon, which was served at the Holborn Restaurant.

Proceedings were resumed a few minutes after three, when the Conference took up consideration of the draft scheme at the point at which it was left before lunch.

Membership.

The membership to be confined to persons, firms, and bodies corporate keeping open shop for the sale of poisons under the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908.

After proposed amendments had been withdrawn, the paragraph was adopted without alteration.

A qualified pharmacist who is a director of a limited company carrying on business under the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, to be eligible for membership.

Mr. Skues proposed as an addition "and the person so joining the Union shall do so as representing the company to which he belongs." He said that according to the clause as framed any qualified person had the right to apply for membership of the Union. There was no statement that he was there as the representative of a company.

The amendment was formally seconded and agreed to.

The clause as amended was then adopted.

In reply to a question as to whether the clause would exclude an unqualified director of a company, the President stated that it would.

Membership of the Union to include membership of the Chemists' Defence Association and the P.A.T.A.

Mr. Hearle (London) asked whether the C.D.A. would be prepared to give some *quid pro quo* for what amounted to compulsory membership for members of the Union.

Mr. Keall replied that if compulsion was to be on the one side it should be compulsory on the other side as well, but he reminded the Conference that there are members of the C.D.A. resident in Scotland and in Ireland. There were 450 members resident in Scotland, but they did not want to pass anything too rigid right away excluding these from future membership of the C.D.A.; otherwise he was prepared to support the suggestion made by Mr. Hearle.

The President, in reply to a question, stated that the clause would not affect members of the C.D.A. resident

in Scotland. It was a question of internal arrangement for the C.D.A. to settle. If the membership of the union applied to the C.D.A. then the reciprocal arrangement by the C.D.A. as to membership of the union would apply.

Mr. KEALL said that any rigid interpretation affecting Scottish and Irish membership of the C.D.A. would be a very big mistake; because whatever they did that day would not affect Scotland or Ireland. They did not propose to close but rather to keep open the door for negotiations from the Scottish and Irish points of view.

Mr. WOLFF said that the clause provided that membership of the union would include membership of the C.D.A. and P.A.T.A. Was it to be assumed that if a limited liability company having an internal insurance system of its own did not come into the C.D.A. it could not join the union?

The PRESIDENT replied that that was a matter for the new organisation to consider. Personally he could not answer the question.

Mr. WOLFF submitted that the detail was so important that the Conference should be asked to express an opinion upon it for the benefit of those who would be in charge of the new organisation. If he, as a pharmacist in a small way of business, belonged to the union he had to be a member of the C.D.A.; and he submitted that it was only fair that any limited company, however big it might be, should conform exactly to the same rule. He asked that it be laid down that whatever rule applied to the small man in business should equally apply to the large limited company.

Mr. GOODALL (Oxford) remarked that Mr. Wolff had wrapped up the matter in a light which might be made a little clearer. They had a representative of Messrs. Boots present, and Mr. Wolff was really turning over in his own mind the position of that company with regard to the C.D.A. He understood that Messrs. Boots refused to join the C.D.A. simply because they had an internal insurance organisation of their own.

The PRESIDENT: I would point out to the Conference that as the rule stands at the moment membership of the union means membership of the C.D.A., and nobody can be a member of the union who does not at the same time join the C.D.A. Does not that cover the whole point? I have no amendment to the contrary.

A delegate raised the question as to whether members of the union would be required to take shares in the C.D.A.

The PRESIDENT: I have asked Mr. Keall, Chairman of the C.D.A., and I understand from him that any member of the union will have to take up a share on the same basis as any other member of the C.D.A. (Hear, hear.) At the present moment I believe there is only a certain amount called up—somewhere about 5s. per share.

Mr. DEAKIN said there seemed to be some confusion as to the present position of the various organisations. The ultimate idea was fusion. (Hear, hear.) But there were certain vested interests in connection with the two Associations that had to be adjusted.

Mr. MATTHEWS said that if he interpreted the statement aright, membership of the C.D.A. would be impossible for any pharmacist who did not join the Union. If this was so, it was necessary to show how the C.D.A. could get rid of its existing members.

The PRESIDENT replied that the question was one for the C.D.A. to decide. One could be a shareholder without being a member.

Mr. KEALL, in answer to a question by Mr. Wolff, said that if a shareholder applied for the return of his money, Somerset House would claim a shilling and the member would have four shillings returned to him.

A delegate said that supposing the attitude of a company to be that they would not pay a subscription of a guinea a shop, would it have to remain outside the Union?

The PRESIDENT: I think it is perfectly clear that you cannot be a member of the Union unless you at the same time become a member of the C.D.A. You do not want it to be so?

The DELEGATE: I do not want it to be so. I do not want to shut out Boots with their 600 shops.

Mr. FREEMAN: Unless they are pharmacists directors are not entitled to belong to the Union?

The PRESIDENT: The point you are raising might be covered by Sir William Glyn-Jones. There is a difficulty with the question of the trade union and a limited liability company.

Mr. FREEMAN: I am talking about others than limited liability companies. I am talking about unqualified men who trade as drug-stores, and I believe some of them are members of the Proprietary Articles Trade Association.

Sir WILLIAM GLYN-JONES: Membership of the Chemists' Defence Association is confined to qualified chemists.

Mr. FREEMAN: I am not talking about the Chemists' Defence Association, but the Proprietary Articles Trade Association.

Sir WILLIAM GLYN-JONES: There seems to be some confusion as to why there are two bodies—one the Chemists' Defence Association, Ltd., and the other the Union. The same members of both bodies are the same governing body. Then someone asks "Why do you call it two bodies?" The reason is this: that the protection of the Limited Liability Acts is needed for insurance purposes, and, therefore, you must have a company. The protection of the Trade Union Acts is needed for the trade union purposes. A limited company cannot be a trade union. Now is it clear? You want the company for the insurance, and you want the trade union for the trade union side. For the first you have the protection of the Limited Liability Acts and for the second that of the Trade Union Acts. That is the whole position. The same members, the same governing body. When they like to act as a company they act as a company, when they like to act as a trade union they act as a trade union, and they get the protection of both Acts. (Applause.) With regard to the Proprietary Articles Trade Association, the matter stands thus: there is no amalgamation of any kind between this Association and the Proprietary Articles Trade Association. This is the suggestion of the scheme: that the Proprietary Articles Trade Association Council will be willing to say "If this Union chooses to hand us the retail subscription of every member of the Union we will let that Union elect the members of the retail section of the Council who govern the body." There are people who are not members of the Union, such as grocers and other unqualified people. It will be for the Proprietary Articles Trade Association, in conjunction with this organisation, to ask whether it is wise to accept their subscriptions. They cannot do anything, but their money will be useful. But the Proprietary Articles Trade Association and this organisation can make arrangements by which, unless they are pharmacists, members of the Union, they can take no part in the work of the retail section. These are matters for discussion when the people who are responsible for bringing this into force meet with the Proprietary Articles Trade Association.

Mr. FREEMAN: That clears the air.

Mr. TRANMER: And the position of the limited company?

Sir WILLIAM GLYN-JONES: No one can say what attitude the Association will take. It would be a mistake to try and press any individual representative of a company to make some declaration. These are the suggested rules of the new organisation, and you suggest that members must be members of both organisations. If the members of the Company Chemists' Association find that they cannot come into the organisation, except upon terms which suit them, they will have to submit themselves to the Committee, and it will be for the Committee to discuss the points. If they want any modification it will be for them to go back and see that some arrangements are made. You cannot at the moment decide what should be the arrangements until we have got further in negotiations with the Company Chemists' Association. I think the door is not necessarily closed.

After further discussion, Clause 3 was adopted without alteration.

Mr. DEAKIN proposed a clause additional to that given in the draft.

That a form of membership be signed by a member and shall be binding.

He mentioned that there was nothing in the whole of the draft scheme that was binding. The Scottish Federation had a certain form, and although he did not suggest they should slavishly follow it, he thought they should have a similar form so that every man who applied for membership should do as they did in Scotland—agree to be bound by the constitution, rules, and by-laws of the Union.

The new clause was agreed to.

EXECUTIVE COMMITTEE.

A Central Executive to be elected annually to manage the affairs of the Union.

Mr. BODY proposed as an amendment that the Executive should be elected for three years, and that one-third of their number, to be selected by ballot, should retire annually.

Mr. TIMS seconded.

Mr. WOLFF was of opinion that three years was too long for any organisation to carry a passenger. If a man, he said, could not show his value in twelve months, he was not much good. He hoped the clause would be adopted as it stood.

On a vote the amendment was lost.

Mr. EVANS (Devonshire) then proposed and Mr. SHEPHEARD seconded that the Executive should be elected for three years.

On a show of hands this amendment was likewise defeated, and clause 1 was adopted without alteration.

Mr. JENKIN (London), on behalf of his Association, proposed—

That a temporary Committee, consisting of the L.A.E. and the directors of the C.D.A., be appointed to act as an executive until the Executive shall have been directly elected by the subscribing members of the new body, and that this election take place not later than March 31, 1921.

The PRESIDENT ruled the resolution out of order on the ground that he could not allow that Conference, which was a Conference of the Pharmaceutical Society, to take any steps to set up a Union at all.

The Central Executive Committee shall consist of not more than twenty-one members, to be elected by ballot; not more than three from each electoral section of the Union.

Agreed to without discussion.

Notwithstanding the foregoing rule, for the first three years the Executive Committee shall consist of the eight present directors of the C.D.A., in addition to twenty-one elected members.

Mr. HEARLE, referring to Clause 3, asked whether it was a fact that the director of a limited company could not serve on a trade union executive.

Sir WILLIAM GLYN-JONES: I do not know whether any solicitor has advised delegates before the Conference that a director of a limited company cannot be a member of the Committee of a trade union. It is the first time I have ever heard it suggested. I can assure you there is no legal disability whatever.

After further discussion Clause 3 was adopted without alteration.

The Central Executive Committee may constitute itself as a sub-committee and the Company Chemists' Association may nominate alternative representatives for the purpose of dealing with wages and hours of labour and National Health Insurance matters.

Mr. SHIRTLIFF (London) proposed as an amendment the addition—

The Executive Committee shall, in drafting rules, include a provision for the election of officers, the taking of a ballot of members, the arranging of general meetings, and joint action.

Mr. H. S. WATSON (London) seconded, and the President intimated his willingness to accept the addition. It was therefore adopted without a division.

DIVISIONS OR ELECTORAL GROUPS.

Local Committees to be grouped in electoral sections or divisions.

Six electoral sections to be formed in England and Wales and one section for the representation of the Company Chemists' Association if necessary, the members of which shall vote in that section only.

A lengthy discussion took place on these two clauses, and various suggestions were made for securing proportionate representation of all areas. Ultimately, however, the clauses were adopted without alteration.

LOCAL COMMITTEES.

The employer pharmacists of any local association, being members of the Union, may elect a committee to act as a local employers' committee and as the local committee of the Union.

Failing the appointment of such a committee the employer pharmacist members of the local Pharmaceutical Committee who are members of the Union shall be regarded as the local committee of the Union.

These clauses were adopted without discussion.

SUBSCRIPTION.

An inclusive membership fee of 30*s.* to be paid in respect of each shop where the member carries on business in an area in the Checking Bureau Scheme. An additional 5*s.* to be paid if not in such an area or not on the N.H.I. Panel.

The above subscription to include the subscription to the P.A.T.A. and the subscription to the C.D.A. for insurance benefits of 200*l.* indemnity and of 10*l.* defence.

An additional payment of 12*s.* per annum will provide the higher C.D.A. insurance benefits of 500*l.* and 20*l.* respectively.

The membership fee shall be paid in respect of each shop controlled or owned by persons, firms, or bodies corporate owning more than one shop.

Until other arrangements are made the members of the C.D.A. and P.A.T.A. in Scotland and Ireland to be entitled to continue their membership of the C.D.A. without joining the Union.

In reply to a question by Mr. Skues, the President stated that of the present subscription of 15*s.* the P.A.T.A. would receive 7*s.* 6*d.* and the new Union 7*s.* 6*d.*

A proposal submitted by Mr. SKUES, and seconded by Mr. ATKINS (London), that the annual subscription should be 50*s.*, was negatived on a show of hands.

The first clause having been adopted without alteration, Mr. METCALFE (Berkshire) proposed, and a delegate seconded, the following addition to Clause 2—

which shall not include the services of an auditor or assistance in preparing income-tax returns, both of which services shall be made the subject of individual charges.

With this addition Clause 2 was unanimously adopted.

Mr. POTTER urged with reference to Clause 3 that there should be no limit to the amount for which members might insure, and Mr. KEALL promised that the C.D.A. would give his suggestion the most careful attention.

Clauses 3, 4, and 5 were then adopted without alteration.

VOTING POWER.

A subscription to be payable in respect of each shop, and every such shop to carry one vote.

One employer pharmacist only shall cast all the votes on behalf of his firm.

Agreed to without alteration.

RECOMMENDATION TO PHARMACEUTICAL COUNCIL.

The PRESIDENT remarked that to carry the stage a bit further that afternoon he was going to arrange for the following resolution to be submitted to the Conference:

That the Draft Constitution of the Pharmaceutical Union as amended be approved for the purpose of recommending it to the Pharmaceutical Council as one that it would be advisable for the new body to adopt, if the Council is to transfer to it any of its present functions, and that the Conference assures the present members of the Local Associations Executive Committee and the

present directors of the Chemists' Defence Association that any measures which they may take jointly for the formation of such a body will receive the support of the members of this Conference.

Mr. DEAKIN proposed the adoption of the resolution as read by the President, and in the course of rather a lengthy speech at the end of such a prolonged meeting reiterated assurances he has given on the occasion of other meetings of his interest in the scheme and of his confidence that its adoption will mean that the commercial interests of pharmacy will receive keener attention in the future.

Mr. ROWSELL, in seconding, said that as one of the early members of the P.A.T.A. Executive, as a director of the C.D.A., and as a member of the L.A.E., he was delighted to see these three bodies brought into such close co-operation that afternoon. It was what he had longed for over an extended period of years. He believed the scheme arrived at would make for the betterment of pharmacy all round.

The resolution was unanimously adopted.

CENTRAL INSURANCE ORGANISATION.

On the proposal of Mr. JOSEPH, seconded by Mr. BROADHEAD, the following resolution was adopted :

That the proposal that the Council transfer the Central Insurance Organisation, including the Central Checking Bureau, be approved by this Conference.

On the proposal of Mr. SNELL, seconded by Mr. YATES, the following resolution was also adopted :

That the representatives of Pharmaceutical committees present approve the proposed transfer of the Central N.H.I. Organisation, and agree to recommend their respective committees to renew their checking-bureau contracts with the new body.

RETIREMENT OF MR. W. JOHNSTON.

The PRESIDENT intimated that Mr. Mallinson, the secretary of the L.A.E., had been approached by the directors of the C.D.A., offering him the position at present held by Mr. Johnston, who, he (the President) understood, was retiring from it. Application had been made by Mr. Mallinson to the Council for release to take up those duties, and the Council would be very sorry indeed to lose his services. The President referred in very appreciative terms to the conspicuous services rendered the craft by Mr. William Johnston as secretary of the C.D.A.

Mr. JOHNSTON, who received quite an ovation, acknowledged in fitting terms the kindly references made to himself by the President, and assured the Conference that, although retiring from the active duties of the secretaryship, he felt well enough physically, and would, with the consent of the directors, render Mr. Mallinson all the assistance in his power. (Applause.)

INSURANCE TERMS.

Mr. MALLINSON read the following letter from the Ministry of Health with regard to the N.H.I. terms :

SIR,—I am directed by the Minister of Health to refer to your letter of November 24 on the subject of the rate of remuneration of chemists for the dispensing of National Health Insurance prescriptions. The Minister of Health regrets that it is impracticable to furnish a considered reply to your representations by the date mentioned in the last paragraph of your letter—namely, December 8. As your committee are aware, the application for increased remuneration embodied in your letter would, if acceded to, involve a considerable addition to the present Exchequer liability in connection with the supply of drugs, etc., to insured persons; and before the Treasury can be asked to consider whether, in the present state of public finances, it is possible for such a claim to be made, wholly or in part, the application will require to be very fully examined, not only from the point of view of the data upon which the case is based, but also with the view of seeing whether the present large expenditure on the supply of drugs to insured persons secures the most satisfactory results both from the point of view of efficiency and economy.

A further communication will be addressed to you as soon as possible.

R. W. HARRIS.

The PRESIDENT said that he did not know whether the Conference desired, at that stage, to discuss the terms of the letter, or whether it would empower the Local Associations Executive to continue negotiations with the Ministry of Health.

On the motion of Mr. B. HARRIES, seconded by Mr. CUFF, it was resolved that the matter be left in the hands of the L.A.E. to continue negotiations with the Ministry.

A further resolution, proposed by Mr. EVANS (Devonshire) and seconded, was adopted in these terms :

That the chemists in conference assembled regret that the Ministry is unable to decide to accede the very reasonable demands put forward by pharmacists, and urge the Ministry to grant these terms at an early date.

THE SOCIETY AND LOCAL ASSOCIATIONS.

The PRESIDENT said that with so many representatives of local associations present he desired to devote a few moments' attention to the question of the relationship of the local and other associations to the Pharmaceutical Society. He had been a little concerned as to what would be the future position of the local associations in view of the prospects of the formation of the Pharmaceutical trade union. He should be very sorry indeed if these did not continue to exist and flourish in affiliation with the Society. It had occurred to him that steps must be taken by the Society to see that these associations were maintained in local vigour. If their connection with the Society could be maintained, he would be prepared to recommend to the Council of the Society that they should remit to every local association conforming to the rules which the Council would have to lay down a sum of money per member of the Society in the area belonging to the association. If some arrangement could be made whereby 5*s*. of the extra subscription of 10*s*. 6*d*. per member to be paid, beginning next January, would be handed back to the local associations throughout the country according to their membership of the Society, he thought they would be able to preserve the connection between these and the Society. He desired to see all members of the Society in all parts of the country maintain their allegiance.

After some discussion Mr. ROWSELL proposed :

That this Conference greatly appreciates the question which the President has raised as to the relationship of the local associations with the Pharmaceutical Society of Great Britain, and will welcome a scheme from the Council on the whole question.

This was unanimously adopted.

On the proposition of Mr. YATES, seconded by several delegates, a vote of thanks to the President for presiding was unanimously carried and was briefly acknowledged by the PRESIDENT.

The proceedings then terminated.

PROVISIONAL COMMITTEE FORMED.

A meeting was held on Wednesday evening, December 8, of the members of the Local Associations Executive and the directors of the Chemists' Defence Association, Ltd. Resolutions were passed forming a new organisation to be called the "Retail Pharmacists' Union," and constituting the present members of the L.A.E. and the directors of the C.D.A. as a provisional committee of the new body to act pending the election of a permanent committee. Mr. W. Johnston, secretary of the Chemists' Defence Association, was requested to act as secretary *pro tem*. The meeting was adjourned until January 3, 1921, the secretary being asked to prepare in the meantime a draft of rules on the lines of the draft constitution and rules approved by the Conference of local associations delegates which had been held that day.

Official List of Delegates.

Barrow-in-Furness: F. J. Sanson.
Bath: W. J. Hallett and C. H. Jenkin.
Bedfordshire: H. E. Cocker.
Berkshire: H. R. Metcalf and M. C. Rock.
Birkenhead: W. A. Wynne.
Birmingham: J. W. Atkinson, F. Smith, and W. H. Whittock.
Blackburn: C. A. Critchley.
Blackpool: B. P. Mallalieu.
Bolton: J. Brindle.
Bournemouth: F. Rose.
Bradford: H. R. Carson and A. B. Stocks.
Breconshire: J. Parry.
Brighton: C. G. Yates.
Bristol: A. L. A. Cash and E. L. Paterson.
Buckinghamshire: F. J. Janes.
Burton-on-Trent: W. Lean.
Cambridgeshire: S. F. Barker.
Cardiff: Owen Jenkins.
Carlisle: T. H. Ridley.
Carmarthenshire: J. R. Henderson and J. Walters.
Carnarvonshire: W. A. Roberts.
Cheshire: J. Cumming, F. W. Scanlon, H. W. Wallis, and H. Watkinson.
Chester: D. T. Dickinson.
Cornwall: W. T. Hall and A. F. H. Stephens.
Coventry: G. R. Williamson.
Croydon: H. C. Neve.
Cumberland: T. Hardy.
Denbighshire: C. G. Caldecott.
Derby: W. Elmitt.
Derbyshire: F. J. Hitchcock, F. J. Houston, and C. W. Southern.
Devonshire: D. A. Evans and W. J. Shepperd.
Dewsbury: R. Broadhead.
Dorsetshire: J. A. Haynes and H. Lewis.
Dudley: P. G. Richardson.
Durham County: W. Forster and J. F. Simpson.
Eastbourne: D. Marchant.
Essex: T. England, J. Freeman, W. E. Gaze, and S. G. Tydeman.
Exeter: E. Lemmon.
Gateshead: W. W. Gale.
Glamorganshire: A. Griffiths, E. Richards, and G. I. Williams.
Gloucester: W. H. Hampton.
Gloucestershire: W. H. Hill and T. B. C. Wickham.
Great Yarmouth: A. E. Richmond.
Grimsby: C. Dewing.
Halifax: A. Taylor.
Hampshire: H. I. Martin and E. H. Smith.
Hastings: H. C. Edwards.
Herefordshire: J. H. Hart.
Hertfordshire: R. Bennion and F. W. Cannon.
Huddersfield: J. B. Broadbent.
Hull: T. H. Newton and A. Richardson.
Ipswich: J. A. Symonds.
Isle of Ely: W. Lincolne.
Isle of Wight: F. W. Beken.
Kent: J. H. Cuff, D. T. Evans, E. W. Ewell, A. E. Hobbs, and W. W. Pring.
Lancashire: C. A. Maries, W. I. Scholes, J. S. Snell, and H. A. Watkinson.
Leeds: H. Gilleghan and E. E. Haslegrave.
Leicester: W. J. Lewis and F. T. Wilby.
Leicestershire: W. T. Hind.
Lincoln: J. Hague.
Lincs, Holland: E. A. Osborne.
Liverpool: W. H. Clubb, D. H. Evans, A. S. Furniss, and J. L. Hirst.
London: H. S. Watson, J. P. Ellerington, G. B. Barnard, A. J. Wing, C. H. Liddall, E. A. Atkins, E. Skues, A. R. Keith, J. Hearle, A. H. Jenkin, W. B. Trick, and W. E. D. Shirtliff.
Manchester: D. Dickson, A. Hershberg, and T. Miller.
Merthyr Tydvil: V. A. Wills.
Middlesbrough: A. Enock.
Middlesex: J. H. P. Bolton, T. Bright, R. E. Clement, T. Marns, G. Weiss, and H. Wolff.
Monmouthshire: F. Clarke and T. H. Prichard.
Newcastle-on-Tyne: A. D. Hunter and H. C. Roper.
Newport, Mon.: B. Harries.
Norfolk: F. T. Alpe and H. J. Bromhall.
Northampton: H. Rolfe.
Northamptonshire: C. A. Hedley.
Northumberland: G. Cormack and G. R. Patterson.
Norwich: P. Robinson.
Nottingham: E. C. Carr and G. F. Godson.
Nottinghamshire: A. H. Bell and G. W. Briggs.
Oldham: H. Bagshaw.
Oxford: H. C. Goodall.
Oxfordshire: A. E. Fox.
Pembrokeshire: L. J. Meyler.
Peterborough: J. W. Bodger.
Portsmouth: J. W. Rhodes.
Reading: G. B. Osborne.
Rochdale: J. Kershaw.
Rotherham: J. H. W. R. Turner.
St. Helens: F. Whittaker.
Salford: E. H. Simmons.
Salop: C. W. Eldred.
Sheffield: J. T. Appleton and H. Antcliffe.
Smethwick: H. M. Tranmer.
Somerset: W. Deacon and H. R. Hoyles.
Southampton: H. Jewell.
Southend-on-Sea: S. F. Body.
Southport: R. H. West.
Staffordshire: W. F. Fowke, T. W. Garland, F. Jacks, and C. H. Trotter.
Stoke-on-Trent: W. H. Kemp.
Suffolk, East: G. C. Jeeves.
Sunderland: E. R. Cherrett.
Surrey: W. H. Fowler, J. Noble, J. H. Price-Bond, and W. Tims.
Sussex, West: N. R. Hilton.
Swansea: H. Richards.
Wakefield: J. Judge.
Wallasey: R. G. Govier.
Walsall: H. E. Belsher.
Warwickshire: J. T. Fleet and J. L. Nundy.
West Bromwich: G. Hampton.
West Ham: W. Potter.
Westmorland: T. W. Townley.
Wigan: T. H. Winstanley.
Wolverhampton: F. J. Gibson.
Worcester: D. G. Pout.
Worcestershire: A. S. Price and T. W. Sudlow.
Yorkshire (East Riding): C. Morrow.
Yorkshire (North Riding): J. S. Longdin and E. Parker.
Yorkshire (West Riding): A. R. Briggs, T. E. Handford, J. H. Hull, A. Mortimer, J. P. Norwood, S. N. Pickard, and H. W. Stiles.

Society of Public Analysts.

A MEETING was held at the Chemical Society's Rooms, Burlington House, London, W., on December 1, Mr. Alfred Smetham (President) in the chair. The President referred to the regret with which the Council had received the resignation of Mr. J. L. Baker from the editorship of "The Analyst," a position he had held for thirteen years. Mr. Baker has been appointed editor of the "Journal of the Institute of Brewing." The Council had appointed Mr. C. A. Mitchell as his successor. A paper on *The Estimation of Theobromine* was then read by Mr. Raymond V. Wadsworth. The author criticised the ordinary processes employed for the estimation of theobromine, and suggested a new method based on the employment of calcined magnesia and extraction with tetrachlorethane. Mr. B. S. Evans gave a paper on *A New Process for the Estimation of Small Quantities of Chromium in Steels.* The process provides a means of estimating quantities of chromium of the order of 0.01 per cent., which are outside the scope of the accepted methods. The steel is dissolved in sulphuric acid and oxidised with nitric acid, about twenty-five grams of ammonium phosphate added, and the whole boiled with excess of potassium permanganate to convert the chromium into chromate. The acid liquid is poured into excess of boiling caustic-soda solution acidified with acetic acid and made up to a known volume; an aliquot part is filtered off, made strongly acid with sulphuric acid, and the chromium determined colorimetrically by matching with $N/100$ potassium dichromate. The process has been tested from 0.003 per cent. up to 15.0 per cent. of chromium, and gives good results over the whole range. Some notes on *The Reactions between Fulminate of Mercury and Sodium Hyposulphite* were read by Messrs. P. V. and F. H. Dupré. The authors describe the titration of fulminate of mercury in sodium hyposulphite. The effect of boric acid in retarding the secondary reaction, causing loss of alkalinity, and the evolution of heat caused by secondary reaction, was then discussed, together with the bearing of this on the method of destruction of fulminate by hyposulphite. The effect of boric acid on heat evolution was dealt with, and the final products in interaction between fulminate and sodium hyposulphite described.

NARCOTIC TRAFFIC IN CALIFORNIA.—According to the "Sacramento Bee," during the first nine months of this year the State Board of Pharmacy, through its local attorneys, has collected $11,404 from pedlars arrested and convicted of either the possession or selling of illicit drugs. Since prohibition the narcotic traffic is sweeping over the Californian State, and the State Board of Pharmacy is accused of making a handsome revenue from fines instead of insisting upon gaol sentences. Fifty per cent. of the fines goes into the Board's treasury, the local lawyer takes 25 per cent., and 25 per cent. goes to the city or county. The steady increase in the imposition of fines is shown to have had no effect in stopping the increase in the selling of narcotics. Practically the only effect it has had is to increase the price of the drugs to the user.

Trade Report.

42 Cannon Street, E.C. 4, Dec. 9.

THE chemical, drug, and produce markets continue in the throes of depression, and no improvement can be looked for until the turn of the year. There is, however, not likely to be any restoration of confidence in commercial circles until the Government have decided to exercise drastic economy and remove some of the excessive burden of taxation which is starving industry and penalising enterprise. Prices are still tending downwards, and for the small business passing a buyer can usually obtain a concession on the nominally quoted prices. Crude drugs with very few exceptions are plentiful. Cubebs, myrrh, orris, ipecacuanha, rhubarb, orange peel, squill and sarsaparilla are all more or less cheaper. Gamboge and honey are about steady. Liquorice juice is the turn better, as some of the weak holders have cleared. Balsam tolu is easier. Among spices, cassia lignea is lower. Pimento, pepper and cloves are easier. Mercury has a weaker undergone owing to Italian competition; antimony has eased. Castor oil is lower. Among seeds, anise is unchanged; canary is slow, caraway quiet; cumin and fenugreek are lower; linseed is steadier. The changes in the essential oil and chemical markets will be found under their respective headings.

Easier		Lower	
Alum	Mint oil	Acetic acid	Methyl salicylate
Amyl salicylate	Naphthalene	Albumen	Musk ambrette
Balsam tolu	Oxalic acid	Anise oil, star	Orange peel
Caffeine, pure	Patchouli oil	Antimony	Orris
Cassia oil	Petitgrain oil (Parag.)	Arsenic	Paraldehyde
Citric acid	Phenazone	Benzonaphthol	Pepper
Citronella oil (Cey.)	Pimento	Bleaching powder	Phenolphthalein
Cocoa butter	Potash caustic	Bromstyrol	Phenyl ethyl alcohol
Copper sulphate	Potash prussiate	Camphor oil (Jp.)	Pitch
Cresylic acid	Potash sulphoguaiac.	Cassia lignea	Potash permang
Cubebs	Salicylic acid	Castor oil	Rhubarb
Epsom salt	Sarsaparilla	Cloves (Zan.)	Safrol
Geranium oil (Bourb.)	Sodium salicylate	Cumin seed	Shellac
Guaiacol carb.	Tannic acid (B.P.)	Fenugreek seed	Sodium sulphide
Guaiacol liquid	Terpineol	Formaldehyde	Squill
Linalyl acetate	Wintergreen oil	Galls (China)	Sulphonal
Linseed oil	Wormseed oil	Gum acacia	Thymol
Menthol		Hexamine	Vanillin
Mercury		Ionones	Wood oil
		Lead acetate	
		Lead products	
		Lithopone	

Steadier	
Amidopyrin	Potash bichromate
Linseed	
Liquorice juice	

Cablegram.

NEW YORK, December 8.—Business is dull, with prices tending downwards, the following having been reduced: Morphine sulphate, $5.90; codeine sulphate, $7.57 per oz.; copaiba, 40c. per lb.; mercury, $48.00 per flask; acetphenetidin (phenacetin), $2.00; antipyrine, $2.50; vanillin, 75c. per oz.; saccharin, $2.25 per lb.; taraxacum (dandelion), 22c.; and round buchu, $2.85 per lb.

London Markets.

ANTIMONY.—There is still very little demand and quotations for foreign regulus have shown further ease, with prompt shipment apparently obtainable at 37*l.* per ton c.i.f. U.K., or at below the terms usually demanded for ready lots. English refined as officially quoted at 45*l.* for ordinary brands in small lots, thus finds but little attraction. Chinese crude, although quite nominal, is called about 25*l.* to 27*l.* per ton c.i.f., and spot 29*l.*

BALSAM TOLU is easier, with spot sellers at 3*s.* 6*d.* per lb.

BISMUTH.—The price quoted by the "ring" remains at 12*s.* 6*d.* per lb., on the basis of which a fairly regular business is passing.

CADE OIL.—There are said to be numerous parcels of adulterated oil on the market. B.P. genuine is quoted at 1*s.* 9*d.* per lb. spot.

CALUMBA.—The London stock on November 27 stood at 20,039 bags, against 4,694 bags in November 1919; the deliveries in November amounted to 108 bags and the landings *nil.* Ordinary natural sorts are quoted at 25*s.*, and up to 50*s.* for good clean bold quality.

CAMPHOR (REFINED).—English refiners quote flowers at from 7*s.* to 7*s.* 3*d.* per lb. for 2-cwt. and 1-cwt. lots respectively, and 7*s.* 6*d.* for 28 lb.; 4-oz. blocks are 6*s.* 6*d.*, 1-oz. and 2-oz. 6*s.* 9*d.*, 2-, 3- and 4-oz. 7*s.* per lb. Japanese slabs are quiet with small sales at 5*s.* per lb. and rather buyers.

CASTOR OIL is lower, with pharmaceutical offering at 70*l.* per ton, first pressing at 65*l.*, and second pressing 60*l.* per ton net in barrels ex mill Hull.

CASTORUM.—The annual auction will be held on Wednesday, December 15. Following the Hudson's Bay Co. sale, amounting to about 3,000 lb., a further 1,200 lb. will be offered.

COCOA BUTTER is easier, offering at 2*s.* 2*d.* per lb. in lots of not less than one ton. At auction at Amsterdam on Tuesday Van Houten's "A" sold at 116.94 cents and "B" quality at 101.92 cents per half-kilo.

CUBEBS.—The London stock at the end of November was 171 bags, against 101 bags. Genuine can be had at 28*l.* per cwt., being easier.

EGG PRODUCTS remain dull. Chinese prime hen-yolk is offered at 60*s.* per cwt. for old and 90*s.* to 95*s.* for new, and for December-February shipment 85*s.* c.i.f. is quoted. Dried yolk is 6½*d.* to 7*d.* per lb. on the spot, sprayed whole egg 1*s.* 3*d.*, and native dried whole 8*d.* per lb. spot. Prime Chinese hen *albumen* is 4*s.* 2*d.* per lb. on the spot, and December-February shipment is 3*s.* 9*d.* c.i.f.

FARINA is quiet, with sellers of No. 1 Japanese at 27*s.* per cwt. on the spot, and January-March shipment at 23*s.* 6*d.* c.i.f.

GALLS.—Chinese are lower, with spot sales of ordinary shape at 105*s.*, and to arrive sellers quote 90*s.* per cwt. c.i.f.

GAMBOGE is steady, good Siam pipe offering at 37*l.* per cwt.

HONEY is steady, with good pale set Jamaica offering at 75*s.*, amber set at 60*s.* to 65*s.*, and ordinary 60*s.* New Zealand has been selling up to 85*s.* for pale and 75*s.* for mixed. San Domingo and Cuban can be had at from 60*s.* to 70*s.*, St. Lucia at 70*s.*, and Australian at 62*s.* 6*d.* per cwt.

LINSEED OIL.—The recent sharp improvement, to about 50*l.* per ton naked, was accompanied by some fair buying by consumers, whose stocks are low, and speculators being rather short against sales made at much higher prices. London market closes easier at 47*l.* naked and Hull at 45*l.* naked.

LIQUORICE JUICE.—Several of the cheap parcels have been cleared and the market is somewhat steadier, genuine pure Italian juice offering at from 160*s.* to 165*s.* per cwt.; 150 cases have arrived this week from Italy.

LYCOPODIUM.—The *Akershus*, from Danzig, has brought 35 bags.

MENTHOL is easier, with spot sellers of Kobayashi-Suzuki at 27*s.* per lb., and January-March shipment at 17*s.* c.i.f.

MERCURY.—The market is idle, with a weaker undertone, chiefly due to the freer offers of Italian metal out of recent moderate arrivals. Whereas the leading importing firms have steadfastly adhered to their limit of 15*l.* 10*s.* per bottle, outside sellers or dealers, who only a week ago were asking up to 16*l.*, have made successive concessions in order to stimulate the demand. Current quotations for Italian are about 14*l.* 15*s.* to 15*l.* per bottle. The slackness is very pronounced and a revision in the official price of Spanish would cause no surprise.

MYRRH.—The London stock on November 27 stood at 746 packages, against 457; the landings in November were 123 and the deliveries 27 packages. Prices are easier, with good clean sorts offering at 14*l.* 10*s.* per cwt.

ORANGE PEEL is easier, good thin bright so-called Maltese cut offering at from 11*d.* to 1*s.* per lb., and seconds at 9*d.*

ORRIS is easier, good Florentine offering at 75*s.* per cwt. on the spot; Verona can be had at 65*s.*, and Mogador at from 30*s.* to 35*s.* per cwt.

RHUBARB.—The London stock on November 27 stood at 1,070 chests, against 191 chests; the landings in November were 100 and the deliveries 20 chests. Prices are rather easier, good small Shensi trimming root offering at 9*s.* 6*d.*, good bold at 9*s.*, and flat High-dried at 9*s.* 6*d.* Chinese rhapontica is easier at 1*s.* 1*d.* per lb.

SHELLAC is again considerably lower, usual standard TN Orange quality offering at from 450*s.* to 475*s.* per cwt.; fine lemon is 650*s.* to 675*s.*, fine second Orange is 550*s.* (about 70*s.* lower), pure button is 590*s.*, and AC cakey 465*s.* per cwt. Futures are about 70*s.* lower, the sales including March delivery at from 385*s.* down to 300*s.*

SQUILL is plentiful, and prices are rather lower, good creamy offering at 55*s.*, fair pale at 45*s.*, and ordinary at 35*s.* per cwt.

TARAXACUM.—Spot price of English is about 140*s.* per cwt.; 40 bags have arrived from Hamburg.

TURPENTINE is very uncertain, with a cautious demand from manufacturers, although holders have regained confidence somewhat after having been rudely disturbed, especially in provincial centres, where prices were recently taken at very considerably below London parity—down to as low as 95*s.* per cwt. Continental spirit competes keenly against American, while Portuguese is obtainable at around 93*s.* in the northern markets. London prices have been at about 105*s.* for American, with forward positions, January to April, at 105*s.* also. Recent landings from America were fairly large.

Seeds and Spices.

ANISE is unchanged at 86*s.* per cwt. for Russian and 82*s.* 6*d.* for Spanish.

CANARY SEED is slow of sale at 135*s.* to 140*s.* per quarter for good Morocco, 160*s.* to 220*s.* for ordinary to fine Spanish, and 120*s.* for cleaned River Plate.

CARAWAY SEED is quiet at 36*s.* to 38*s.* per cwt. for fair to good Dutch on the spot.

CASSIA LIGNEA is about 2*s.* 6*d.* per cwt. cheaper, with spot sales of whole selected at 45*s.* per cwt.

CLOVES.—Zanzibar are quiet and easier, offering at from 1*s.* 3*d.* to 1*s.* 4*d.* per lb., according to quality and quantity; to arrive, December-January shipment is quoted at 10*d.* c.i.f. Penang and Amboyna are steady.

CORIANDER SEED is in small request and prices are nominally unchanged at 14*s.* per cwt. for slightly wormy and 20*s.* to 22*s.* for fair to good sound Morocco.

CUMIN SEED is lower at 25*s.* to 27*s.* 6*d.* per cwt. for fair to good sifted Morocco.

DILL SEED is quoted 24*s.* per cwt., without any business reported.

FENNEL SEED is quoted nominally 37*s.* 6*d.* per cwt.

FENUGREEK SEED is lower at 10*s.* to 10*s.* 6*d.* per cwt. for fair Morocco.

LINSEED is steadier at 32*s.* 6*d.* per cwt. for good quality.

PEPPER is dull and lower, fair black Singapore selling on the spot at $4\frac{1}{2}d.$ to 4*d.* per lb.; January-March shipment has been sold at $4\frac{9}{16}d.$ to $4\frac{1}{4}d.$ c.i.f.; Lampong has been sold at $4\frac{1}{2}d.$, closing at 4*d.*, Tellicherry at $4\frac{5}{8}d.$ to 5*d.*, and Aleppy at $4\frac{1}{2}d.$ to $4\frac{1}{4}d.$ per lb., all spot. *White* pepper is also lower, fair Muntok having been sold at 10*d.* to $9\frac{3}{4}d.$, and January-March shipment at 9*d.* to $8\frac{1}{2}d.$ c.i.f. Singapore is $9\frac{1}{2}d.$ spot, and the value of January-March shipment is $8\frac{1}{4}d.$ per lb. c.i.f.

PIMENTO is quiet and easier, with spot sellers at $3\frac{1}{2}d.$ per lb.

Pharmaceutical Chemicals.

Business remains quite hand-to-mouth, and the undertone continues weak and unsteady, with prices a matter of negotiation. We hear of some surprisingly low offers from Germany in several instances; on the other hand, some of the German makers' prices are well above what second-hands offer on this market. Practically all the changes in value this week are in favour of buyers, and the following are more or less cheaper: Caffeine, citric acid, guaiacol carbonate, guaiacol liquid, hexamine, benzonaphthol, methyl salicylate, methyl sulphonal, paraldehyde, phenazone, phenolphthalein, potash sulphoguaiacolate, tannic acid, sulphonal, thymol, and vanillin.

AMIDOPYRIN has a slightly steadier feeling, as some of the cheaper-priced parcels have been cleared. From 27*s.* to 28*s.* per lb. is quoted for small lots.

AMMON. BENZOATE has declined about 6*d.* per lb., offering at 6*s.* 6*d.*

AMMON. BROMIDE is weak at 1*s.* 3*d.* to 1*s.* 4*d.* per lb., and may further ease.

ASPIRIN is weak at from 4*s.* to 4*s.* 3*d.* per lb.

BARBITONE remains fairly steady at about 20*s.* per lb.

BENZALDEHYDE is offering at from 5*s.* 6*d.* to 5*s.* 9*d.* per lb.

BENZOIC ACID ex toluol is weak at from 2*s.* 4*d.* to 2*s.* 6*d.* per lb.

BENZONAPHTHOL has declined about 1*s.* per lb., offering at from 10*s.* 6*d.* to 11*s.* per lb.

CAFFEINE.—Pure is weaker, offering from dealers at 37*s.* 6*d.* per lb. for foreign make.

CERIUM OXALATE is quoted at from 4*s.* 6*d.* to 5*s.* per lb., according to quantity.

CITRIC ACID is freely offered at about 2*s.* 10*d.* per lb. and upwards, but there is very little inquiry.

CREOSOTE CARBONATE is steady at about 20*s.* per lb. Beechwood creosote is unchanged at 6*s.* per lb.

GUAIACOL CARBONATE has a tendency to ease at 21*s.* per lb. Guaiacol liquid is cheaper at 28*s.* 6*d.* per lb.

HEXAMINE is about 1*s.* per lb. cheaper at 7*s.* 6*d.* per lb., market being unsteady.

HOMATROPINE.—Hydrobromide is quoted at 3*s.* 6*d.* per gram.

HYDROQUINONE is steady at 7*s.* per lb.

METHYL SALICYLATE is lower and unsettled, offering at from 3*s.* to 3*s.* 3*d.* per lb.

METHYL SULPHONAL is weak and inclined to ease at 26*s.* per lb.

MILK-SUGAR.—The spot price is about 175*s.* per cwt. for best powder.

PARALDEHYDE is cheaper, offering at 2*s.* 9*d.* to 3*s.* per lb.

PHENACETIN is quoted at from 11*s.* 9*d.* to 12*s.* per lb., and slightly less for quantity.

PHENAZONE.—Some of the lower-priced parcels have been absorbed, and a fair average price is now 9*s.* 6*d.* per lb.

PHENOLPHTHALEIN has further eased to 6*s.* 9*d.* to 7*s.* per lb., according to quantity.

PIPERAZINE remains steady at 6*s.* per oz.

POTASSIUM BROMIDE is very quiet at 1*s.* 2*d.* per lb. for both granulated and crystals.

POTASSIUM SULPHOGUAIACOLATE is cheaper at from 14*s.* to 15*s.* per lb. on the spot; quotations vary considerably.

SALICYLATES.—English makers quote 2*s.* for B.P. salicylic-acid powder, but they would probably meet competition; small lots command up to 2*s.* 3*d.* per lb. Sodium-salicylate powder is offered at from 2*s.* 7*d.* to 2*s.* 10*d.* per lb., according to quantity, and crystals at from 3*s.* 1*d.* to 3*s.* 3*d.*, with physiologically pure up to 3*s.* 6*d.* per lb.

SILVER NITRATE.—Fairly large arrivals have taken place recently. Export of the metal is forbidden from Germany, but up to the present there is no embargo on the salt. It is cheaper to obtain the metal from silver-nitrate crystals than to buy silver in the market. The prices of crystals on December 8 were based on a metal value of 43*d.* per oz., and were as follows: In quantities of 25 oz., 2*s.* $8\frac{1}{4}d.$ per oz.; 50 oz., 2*s.* $7\frac{3}{8}d.$; 100 oz., 2*s.* $7\frac{1}{4}d.$; 250 oz., 2*s.* $6\frac{3}{4}d.$; 500 oz., 2*s.* $6\frac{1}{4}d.$ per oz.

SODIUM BENZOATE ex toluol is unchanged at 2*s.* 6*d.* per lb.

SODIUM BROMIDE remains at 1*s.* 2*d.* per lb.

SPARTEINE SULPHATE is quiet at 6*s.* per oz.

SULPHONAL is easier, importers offering at from 25*s.* to 26*s.* per lb., according to quantity.

TANNIC ACID, B.P. leviss, is easier at from 6*s.* to 6*s.* 6*d.* per lb.

TARTARIC ACID.—The spot value is about 2*s.* 3*d.*

TEREBENE.—Pure is quoted at from 3*s.* 7*d.* to 3*s.* 8*d.* per lb.

TERPIN HYDRATE is unchanged at 6*s*. 9*d*. per lb.

THEOBROMINE.—The pure alkaloidal crystals are quoted at from 26*s*. to 27*s*. per lb. in small lots, and sodium salicylate at from 17*s*. 6*d*. to 20*s*.

THYMOL.—Spanish is quoted on spot at under 40*s*. per lb., and ex ajowan seed at 43*s*. to 45*s*. c.i.f.

Heavy Chemicals.

LONDON, December 8.

THERE is no improvement in the state of the market in "heavies," business being almost trifling. Good stocks are held which are being continually undercut by Continental offerings, and some holders are inclined to accept any reasonable offer they can obtain for their stocks. Formaldehyde has not yet steadied up, a further fall to 140*l*. was experienced this week, and even at this low figure it is by no means steady.

ACETIC ACID on a quiet market is very unsteady, and much lower quotations are now being given: 98 to 100 per cent. glacial is 75*l*. to 80*l*. per ton; 80 per cent. pure is 62*l*. 10*s*.; and technical, 80 per cent., is 57*l*. 10*s*.

ACETONE of British Government specification quality is quoted at 110*l*. per ton. Some of the lower prices quoted do not always apply to this quality.

ALUM in casks is weaker; the market has fallen away from 20*l*. to 19*l*. for lump, and there is but little demand.

ARSENIC is very dull and drooping under Continental competition, both in white and red, and, although the supplies from that quarter are of little importance, holders of white Cornish have climbed down a few pounds a ton. Current quotations are about 74*l*. to 75*l*. per ton delivered London or Liverpool, but business is limited.

BARIUM CHLORIDE is occasionally inquired for and quoted unchanged at 23*l*. for 98 to 100 per cent. material.

BARYTES is not in much demand, but remains quite steady at 6*l*. 10*s*. to about 15*l*. per ton, according to quality.

BLEACHING POWDER is easier at about 24*l*. per ton, and the demand is not at all brisk.

BORAX POWDER and crystals are offered by makers at 41*l*., for which there is only moderate demand.

BORIC ACID.—Crystals and powder remain steady at 74*s*. and 76*s*. per cwt. respectively on a quiet market.

COPPER SULPHATE has dropped during the week to 40*l*. per ton, and 39*l*. in casks and bags; the demand and inquiry received is much below the average.

EPSOM SALT has declined slightly in value, and is now obtainable at about 8*l*. 10*s*. per ton for commercial in bags, but there is little movement.

FORMALDEHYDE has improved slightly owing to weak holders having realised, and spot is now quoted at 135*l*. per ton This is probably a temporary rise, as offers from America are being made at 112*l*. per ton c.i.f.

GLAUBER'S SALT is quiet and steady at about 8*l*. per ton.

LEAD ACETATE is very dull, and prices have fallen during the week to 65*l*. per ton.

LEAD PRODUCTS.—Prices have fluctuated considerably, and in the uncertain state of the market, especially for white lead and oxides, there is not much chance for negotiating regular business by manufacturers. Current prices are: Red lead and litharge, 49*l*. 10*s*. to 51*l*. per ton according to quantity for home and export, and white lead (dry) at 56*l*. and white lead in oil at 63*l*. 10*s*. f.o.b. for export. The two former show a reduction of 30*s*., and white lead a reduction of 30*s*. to 25*s*. a ton, against the rates fixed at the close of last week.

LIME ACETATE is unchanged in price and remains almost inert at 23*l*. for 80 per cent. and 36*l*. for 92 per cent. material.

LITHOPONE is not in much demand; Continental 30 per cent. is obtainable at about 32*l*. 10*s*. per ton.

OXALIC ACID is easier at from 1*s*. 5½*d*. to 1*s*. 6*d*. per lb.

POTASH CAUSTIC is very quiet at prices varying from 77*l*. to 82*l*. per ton; the market appears almost inert.

POTASSIUM BICHROMATE seems firmer and in moderate demand at about 1*s*. 4*d*. per lb.

POTASSIUM PERMANGANATE is very unsteady, and offers at such varying figures make the fixing of a market price out of the question, but the general figures appear to be round about 2*s*. 6*d*. for commercial and 3*s*. per lb. for B.P. material; there is little demand.

POTASSIUM PRUSSIATE eased to 1*s*. 7*d*. per lb. for yellow, while red remains at about 3*s*. per lb.

SALTCAKE is inclined to be easier and in poor demand at about 15*l*. 10*s*. per ton in bags.

SODA CRYSTALS ex works at 7*l*. 10*s*. per ton are quieter than usual.

SODIUM BICARBONATE is only moving slowly, and prices are fairly well maintained at about 11*l*. per ton upwards for refined and 10*l*. 10*s*. upwards for mineral water.

SODIUM BICHROMATE remains steady at about 1*s*. per lb. for English, for which there is only moderate demand.

SODIUM CAUSTIC remains at about 28*l*. per ton for English, 70 to 72 per cent., with limited business.

SODIUM CYANIDE is quoted by makers at 1*s*. per lb. per 100 per cent. basis on a quiet market.

SODIUM HYPOSULPHITE continues to be called for, and pea crystals packed in sound kegs are moving at about 30*l*. per ton; the commercial quality is about 27*l*. in bags.

SODIUM NITRATE is unchanged at about 23*l*. per ton on a dull market.

SODIUM NITRITE is steady at 72*l*. per ton, but not in much demand.

SODIUM PRUSSIATE is quiet and remains at 1*s*. 1*d*. per lb.

SODIUM SULPHIDE is a falling market, and business is scarce; 60 to 62 per cent. is now as low as 36*l*. to 37*l*. per ton.

ZINC DUST.—Finest Australian is 85*l*. per ton.

COAL-TAR PRODUCTS, INTERMEDIATES, ETC.—The market is very quiet, and although values are in most cases maintained, there is a decided tendency towards lower figures. Pitch is now quoted at 11*l*. 10*s*., against 12*l*. last week, and is unsteady on a quiet market. Cresylic acid is cheaper, but not in much demand; quoted at 3*s*. 10*d*. for 97 to 99 per cent. and 3*s*. 3*d*. per gallon for crude. Naphthaline is also inclined to ease; crude is now quoted at 14*l*. to 24*l*. per ton. Flakes at 42*l*. and crystals at about 40*l*.; market is quiet. The following are quiet and unchanged: Aniline oil, 1*s*. 9*d*. per lb.; aniline salt, 2*s*. per lb.; betanaphthol, 3*s*. per lb.; "H" acid, 10*s*. 6*d*. per lb.; benzole, pure 4*s*. 6*d*., 90's 4*s*., 50's 3*s*. 6*d*. per gallon; toluol, commercial, 3*s*. 6*d*. per gallon; creosote oil, 1*s*. 3*d*. per gallon; carbolic-acid crystals, 10*d*. per lb.; disinfectants, 3*s*. 9*d*. per gallon; and coal-tar, 4*l*. 15*s*. per ton.

Essential Oils.

THERE are few orders about, and although prices have the appearance of being well maintained, there is little doubt that buyers are easily able to obtain substantial concessions from dealers, while weak holders are reported to be willing to realise on some lines at financial loss. Star anise oil has declined, and is obtainable forward at a price believed to be lower than was ever before reached. Japanese white essential camphor oil is lower, following arrivals. Cassia and citronella oils are easier and Bourbon geranium is weak. Patchouli oil is on the easy side, and Paraguayan petitgrain oil has been shaded, although there appears to be little in demand. Wintergreen and wormseed oils are easier. Certain aromatic and synthetic chemicals seem to sell at what they can fetch, spot sales being made at prices which would not, at present, buy forward. Ionones and phenyl ethyl alcohol of good quality are obtainble at favourable prices. Safrol is lower and vanillin shows a further decline.

ANISE (STAR) is about 3*d*. per lb. cheaper, with "Red Ship" offered at 3*s*. 3*d*.; to arrive, January-February shipment has been sold at 3*s*. 1*d*. per lb. c.i.f.

BAY.—The exports from Montserrat during 1918 amounted to 20 gallons, valued at 96*l*., against 30 gallons, valued at 137*l*. in 1917. West Indian is unchanged at 23*s*. to 25*s*. per lb. for spot.

BERGAMOT remains dull, with spot quoted at 32*s*. to

34*s*. per lb. for 37/38 l.a. To arrive is given about 32*s*. to 33*s*.

Camphor.—Japanese essential white is lower; landing sales have been made at 180*s*. per cwt., and spot is quoted at 185*s*.

Cassia is weak at 7*s*. per lb. for 80 to 85 per cent. c.a., and 6*s*. 10½*d*. would buy in round lots. Forward the price is lower at 5*s* 4½*d*. c.i.f.

Cinnamon.—Spot Ceylon leaf is unchanged at from 7*d*. to 8*d*. per oz., according to quantity. Bark oil of tip-top quality is obtainable at 10*s*. per oz.

Citronella is weaker. Spot can be bought at 2*s*. 1*d*. per lb. in ½-ton lots, and up to 2*s*. 3*d*. is quoted for smaller quantities. Parcels to arrive are offered at 1*s*. 8½*d*. to 1*s*. 10*d*. Java is nominal at 4*s*. 9*d*., with holders willing to shade.

Geranium is dull, and Bourbon is on the easy side, with sellers at 39*s*. 6*d*. per lb. Algerian is not in much request, and prices for good quality oil seem to be well maintained around 43*s*.

Juniper Berry.—Very cheap offers are reported, but good B.P. oil is nominally around 12*s*. per lb.

Lemon.—Some weak holders have given way this week, and the market is very unstable as a result. Nominally the value is quoted at 5*s*. to 5*s*. 3*d*. per lb., on the spot.

Lemongrass.—There is no demand, and 7*d*. per oz. would buy. Forward the price is given as 6½*d*. c.i.f.

Mint.—Japanese dementholised is quiet, Kobayashi-Suzuki having been sold at 5*s*. 4½*d*. on the spot, and for December-February shipment 4*s*. 6*d*. c.i.f. is quoted.

Orange.—There is little interest taken in this article, and spot remains nominal about 20*s*. per lb. for Sicilian sweet, although some holders report small sales at more. Forward buying was evidently sufficient to raise the c.i.f. price, but it remains as last quoted—about 17*s*. 6*d*. to 20*s*., according to brand. The lower Italian exchange rate, however, may again cause a weakening.

Patchouli is dull and on the easy side, with holders willing to sell at 77*s*. to 80*s*. per lb. according to quantity.

Petitgrain.—Spot Paraguayan is obtainable at 23*s*. 6*d*. per lb., which is lower.

Rosemary.—Spanish is not in much demand, and from 4*s*. to 4*s*. 3*d*. per lb. is quoted.

Spike is weak, and spot holders quote from 7*s*. to 7*s*. 6*d*. per lb., according to quantity.

Wintergreen (Sweet Birch Oil).—Genuine is easier on spot, with sellers at 33*s*. per lb.

Wormseed is easier at 40*s*. to 45*s*. per lb., spot.

Aromatic and Synthetic Chemicals.

Amyl Salicylate is easier at 9*s*. per lb. Bromstyrol can be had at 24*s*. per lb. Coumarin continues to be very much cut on spot; 17*s*. 6*d*. per lb. is mentioned as an average price. Heliotropine can be bought at 16*s*. per lb. Ionones are cheaper, and good-quality *alpha* is obtainable at 80*s*. per lb., *beta* at 70*s*. Methyl Salicylate is quoted at 3*s*. 3*d*., but sales have been made at less. Phenyl Ethyl Alcohol, tip-top French quality, can be bought at 40*s*. per lb. spot, which is considerably below previous quotations. Safrol is cheaper, about 4*s*. per lb. Terpineol is lower at 4*s*. 6*d*. per lb. Vanillin is lower, with quotations at 57*s*. 6*d*. to 59*s*. per lb., and sales reported at less.

Hamburg Drug and Chemical Market.

The rate of exchange of the German currency has of late risen and fallen like waves in a storm, to an extent which has not yet been known, without any ascertainable cause. Compared with former times, the merchant who is dependent upon imports and exports is now compelled to devote more thought, work, and calculation than was formerly the case, and routine work is further increased by the numerous rules and regulations he has to observe. Therefore, such catastrophic changes in the rate of exchange seriously affect him, since they upset all his calculations and convert an expected profit into an actual loss. This state of affairs is bound to persist as long as it is possible for undesirable members of all callings to indulge in exchange speculations, as soon as they are in possession of some funds. This is a craze that has now taken hold of half the world. As long as there is no improvement in the exchange question, no stability or gradual improvement—for the sudden changes are the most dangerous—there can be no thought of any permanent improvement in Germany's economic position, and the problem of its reconstruction is rendered increasingly difficult. The following quotations are for original packages, prices are in marks, for one kilogram:

Acetic Acid, 98 to 100 per cent., is still scarce at m.14.50; 80 per cent. is in demand both for home use at m.11.50 and for export at m.14, while stocks are diminishing and manufacturers' supplies are scarce.

Alkanet Root has been sold on foreign orders at m.20.

Ammonium Chloride, white, 98 to 100 per cent., shows improvement, and is offered at m.8 for home sales, and at m.9 for export.

Anise (Spanish) is in good demand, but spot drug at m.21.50 gross for net is available only in small amount. Quantities of 1,000 kilos. might be obtainable at m.21 gross for net. Levantine anise, of slightly inferior quality to Spanish anise, fetches m.20.

Balsam Peru.—The first importation of genuine balsam at m.425 is being exhausted.

Benzaldehyde, almost free from chlorine for foodstuffs, is in regular sale at m.70 for home consumption, and m.80 for export.

Benzoic Acid is m.58.

Borax.—Demand and sale have both been brisk, and crystals now fetch m.12, granular m.12.50, and powder m.13.

Boric Acid was in considerable demand, and crystals are quoted m.24, powder m.25, while supplies are scarce.

Caffeine (Pure).—Stocks have been reduced by brisk sales at m.975.

Caffeine Sodio-salicylate and Caffeine Sodio-benzoate have not quite followed the increase in price of caffeine, and are quoted m.600.

Citric Acid.—There was a brisk turnover at m.90 for home consumption, and particularly for export at m.95.

Coumarin.—Recent transactions have taken place principally among the speculators themselves, while there has been only a slight demand to cover actual requirements at m.450.

Cream of Tartar, 99 to 100 per cent., is firm at m.39 for home consumption, and m.42 for export. Supplies from manufacturers are scarce, while home, and particularly export, orders are plentiful.

Gentian.—Red is apparently scarce and is not obtainable under m.14.

Glycerin.—The enormous demand for winter requirements has caused the price to advance to m.34.

Heliotropin has been sold only in small amounts at m.425.

Menthol.—Regular repeated orders to meet requirements have diminished the visible spot stocks at m.850.

Milk Sugar is firm at m.32. In consequence of the scarcity of supplies any increased demand will lead to an advance in price.

Salicylic Acid after a slight increase has relapsed to m.45, and was dealt in in only very limited amounts for actual requirements.

Sodium Benzoate.—The demand has declined following the covering of urgent autumn requirements; price m.55.

Sodium Salicylate is scarce at m.65.

Stramonium Leaves.—Large transactions have taken place, particularly for America, at m.25.

Taraxacum has been suddenly offered in larger amounts, so that the price has declined to m.23.

Tartaric Acid.—Tremendous interest has been evinced, and large transactions, particularly for export, have taken place. Recently, however, export licences are more difficult to obtain, so that a further increase in price is likely. Powder and granular are quoted at m.58, while crystals, which continue to be scarce, fetch m.62. The respective prices for export are m.59 and m.65.

Thymol.—Manufacturers are now able to supply small amounts, and it is being regularly sold at m.1,550.

Vanillin.—German manufacturers are still unable to meet the increasing demand. For the present it is being offered at m.1,575, while for export m.1,650 is quoted. There is a very large demand from abroad.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

"Be Prosperous in the New Year."

SIR,—Could I afford and had I the time, I would send every pharmacist a neatly printed New Year card with a request that she should pin it over his dispensing department. It should be headed, "Be prosperous in the New Year." Beneath this would appear the following expression of opinion by the City of London Profiteering Committee:

It would appear that some chemists must be carrying on their businesses as philanthropic institutions, because they dispensed prescriptions at prices which seemed to show an absolute loss.

The minimum price for the prescription in question should have been 3*s*., but it was actually dispensed at 1*s*. 6*d*., which is less than cost. During the course of the late season many prescriptions were presented here which had been dispensed at practically cost price, and a few at considerably below cost. I am forced to the conclusion that chemists as a body are afraid to charge. By the way, Mr. London Chemist, hundreds of prescriptions must have been presented to you from here on which prices charged were marked. This must have been very useful to you. Why don't you reciprocate? I have yet to see a London script with the "Bishopsgate" mark.

Yours faithfully,

Eastbourne. ARTHUR MILLS.

The Corn Marigold.

SIR,—I was interested in "Xrayser II.'s" note (*C. & D.*, December 4, p. 79) on the chrysanthemum, and especially in his statement that *Chrysanthemum segetum* had the best right to the name among English flowers. Although with an eye for anything of the kind, I have never come across this flower in S.E. Scotland, and two summers in the Bristol district proved equally blank. Wright, in his "Bristol Flora," says it is rare, though abundant in the neighbouring counties. It was while walking one day between Stourbridge and Kidderminster that I came to a cornfield where I saw it first—sheets of it. What struck one most was the intensity of the yellow, and it is little wonder that under the doctrine of signatures it was marked down as a cure for jaundice. Interspersed with *Papaver rhœas*, it recalled the old Scotch wife who said, "Nane o' your gaudy colours for me; gi'e me plain red and yellow." "Unprofitably gay," certainly, from the farmer's point of view; but add an occasional cornflower, and the art teacher could have given an excellent object-lesson on the primaries.

Yours faithfully,

Handsworth. W. A. MUNRO.

SIR,—*Re* Xrayser II.'s note on *Chrysanthemum segetum*, this plant is common enough in cultivated fields on a sandy soil. In the cornfields to the north of Ringwood it abounds to such a degree as almost to annihilate the crop. Baxter, in his "British Flowering Plants" (published 1839), has a note to the effect that laws have been enacted and fines imposed in Denmark, Saxony, and some parts of Scotland for the purpose of obliging the farmer to keep his land clear of the plant. Geoffrey says that if gathered before it blossoms and a decoction be made, it is an excellent vulnerary and diuretic. The young leaves thereof may also be eaten with salads. Curiously enough, neither Potter's "Cyclopædia" nor Fernie's "Herbal Simples" mention the yellow corn chrysanthemum, but only refer to the white moon daisy (*C. Leucanthemum*) as being used in medicine.

Yours truly,

Ringwood. T. W. HAZELBY.

Earlier Closing.

SIR,—I have read the letter by "Early Closer" (*C. & D.*, December 4, p. 95), and I believe I am on safe ground in saying there is no National Health Insurance scheme in operation in Australia at the present time, therefore there are no panel patients. I can give your correspondent some information respecting early closing in New Zealand. In the larger cities, such as Wellington and Auckland, the pharmacists close at 6 P.M. At the same hour the "All-night Dispensary" opens its doors and medicines can be obtained there at any hour of the night until the pharmacists open again in the morning about 8.30 A.M. or 9 A.M. The All-night Dispensary is owned by the local pharmacists, and any profits accruing are divided among the shareholders. The experience in Wellington has been that the work of the All-night Dispensary has been getting less and less—in other words, we are succeeding in educating the doctors and the public to get their requirements before 6 P.M. Early closing is compulsory, and nothing may be sold after the closing hours. In the small towns where there are possibly only two or three pharmacists early closing is almost general—the public of New Zealand take it as an accepted fact that the pharmacist closes at 6 P.M. I have closed at 6 P.M. for about five years, and, although there is no other pharmacy nearer than fourteen miles, I don't suppose I am called out on an average more than twice weekly. The extra two hours of freedom during the evenings more than make up for any inconvenience caused by cycling a mile to the pharmacy to make up a script. Doctors are permitted to dispense, but very few do so. No chemist is compelled to dispense after hours—he is always ready to do so in the small centres when there is real urgency. As an onlooker, I would suggest 6 P.M. as the closing hour. When the step has been taken everything works out all right, and the imaginary difficulties disappear. Life has been much more agreeable to the average pharmacist in New Zealand since we closed at 6 P.M., and there is little risk of the old "penal servitude" coming back again.—Yours faithfully,

H. R. GIBBS,
New Zealand Pharmacist.

The By-Law Contingent.

SIR,—We have now had two lists published of persons registered under the apothecaries' assistants by-law, both of them very incomplete. Since 1868 every list of new registered men and women has meant something which we have always been able to understand—viz., apprenticeship, study, curriculum, examinations, and so on. Now we have these new lists, and to most of us they convey nothing. It would be only fair to us all to publish these people's credentials, so that all may see and appreciate their particular claims. In the first list there was a name which I think rather astonished the natives hereabouts. I made a few inquiries myself, but could not discover anything at all as regards the work done or engaged in, length of time or experience. One must assume the Council to have been and to be very easily satisfied.

Yours, etc.,

SCRIBE. (20/11.)

An Independent Union Wanted.

SIR,—The fact that 95 per cent. of the replies to your questions were in favour of complete independence from the Society shows that pharmacists realise that it is necessary to get away from the old *régime*, if we are going to have a body which will really work for our trade interests. When we read that the officials under the scheme put forward by the Society are already practically chosen, although the meeting has not yet been held to inaugurate "The Pharmaceutical Union," it is obvious that the voice is the voice of old, with a new face to it, and we should be exactly as we were. Surely among those gentlemen who have expressed their willingness to serve on the Provisional Committee mentioned in your *questionnaire* there are some who would call a meeting of those pharmacists who wish for an independent union and get some scheme on foot to start such a body. It may be objected that this would duplicate the necessary committees, but the Council is certainly not likely to

relinquish its hold on the reins unless compelled to do so; so that, while affairs are in a state of flux, it would, to my idea, be better to start an independent Federation, and, if the Society also obtained a certain number of supporters, it would then be seen which party had the majority, and it would be left for the minority gracefully to sink its own plan and join the larger body, whether it was run by the Council or by an independent committee. We should, at any rate, have the satisfaction of knowing that the question as to who should rule had been fought out; at present I for one strongly object to being favoured with the Council's proposals after they have become accomplished facts.

Yours faithfully,
Voter. (3/11.)

Cost of National Health Insurance.

Sir,—I see in the public Press that Sir Napier Burnett, at a meeting held at the Royal Society of Medicine, Wimpole Street, stated that the income of the National Health Department for 1919 was 24,400,000*l.* and the expenditure was 17,330,000*l.*, comprising 13,700,000*l.* on benefits and 3,630,000*l.* on administration. This leaves a surplus in round figures of 7,000,000*l.* for one year. He further said that he understood that the total surplus was about fifty millions. Is it not almost time, therefore, that panel chemists were paid an adequate remuneration for their work, which is tedious, arduous, and responsible; and, further, should not the National Health Department square their accounts by refunding to chemists the sums which were discounted during the first two years of the Act, on the ground of insufficient funds? Why pharmacists should be singled out of all other trades or professions to invest their capital in large stocks of drugs and appliances, and to turn them over without profit or interest on their outlay, I do not know. Certainly no other business man would entertain such madbrained finance, and now that we know that the money is there it is to be hoped that the first efforts of the new Federation, when it gets to work, will be to obtain justice for its members.

Yours faithfully,
Disconto. (4/11.)

Legal Queries.

Student (39/38).—The liability of the eye tonic to medicine-stamp duty cannot be decided upon the hypothetical case you submit.

E. M. (3/12) recently visited an unregistered "dentist," who "guaranteed to fit" an upper denture at a charge of 5*l.* 5*s.* The denture was supplied, but "E. M." was unable to talk distinctly, owing to the fact that when the impression was being taken, instead of biting naturally, he bit with his lower jaw to one side. The dentist has now corrected the plate, and has sent in a further account for 1*l.* 5*s.* Is "E. M." liable to pay this charge? [If the dentist contracted to supply an upper denture, at the price of 5*l.* 5*s.*, he is not, in our opinion, entitled to make an additional charge for making the denture fit properly. Unless, however, "E. M." is in a position to prove that a contract of the nature in question was entered into we do not think he could successfully resist the claim to 1*l.* 5*s.*, having regard to the fact that he was himself, to some extent, responsible for the original denture being defective by biting in an unnatural manner.]

D. N. (1/12) became tenant of combined residential and business premises under a three years' agreement, which expired on February 18 last, the rent being 36*l.* a year, payable quarterly in advance. On August 14 the landlord gave notice terminating the tenancy on February 18, 1921, and for the quarter which ends on that date has demanded 13*l.* 10*s.*, instead of the usual quarter's rent of 9*l.* Is this increase payable? By subletting the residential part of the premises, without the landlord's consent, and by neglecting to paint the outside of the premises, "D. N." has disregarded two express terms of the agreement. How does he stand in this respect? [The rent of the premises cannot be increased until after February 18 next, and the amount by which it can then be increased depends upon the extent of the landlord's liability for repairs, and other circumstances. The breaches of agreement referred to are grounds upon which the County Court might order "D. N." to give up possession of the premises; but an order made against "D. N." would not affect the subtenant. "D. N." remains liable to paint the outside of the premises or to pay compensation to his landlord in respect of the omission to do the painting.]

Miscellaneous Inquiries.

H. J. F. (1/12).—Olive-oil Emulsion.—The small dose you propose of the olive-oil emulsion is a difficulty in selecting a formula. There is a formula in the Swedish Pharmacopœia for a 30-per-cent. emulsion, and Martindale ("Extra Pharmacopœia") gives one of 25 per cent. The dose in these cases is 1 to 2 oz. We give the formulas in case they will help you:

1.		2.	
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Olive oil	30 ,,	Gum acacia powder	25 gr.
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Bitter-almond water	2 ,,	Water to	4 oz.
Syrup	20 ,,		

Glusidum (6/12).—Saccharin Test.—A liquid containing saccharin should be evaporated to dryness, and if the residue is coloured the saccharin is best separated by solution in ether. The simplest qualitative test is to heat about 0.01 gram of saccharin with an equal weight of resorcin and a few drops of sulphuric acid, when a yellowish-red colour changing to greenish-brown is obtained. If saccharin is dissolved in cold, distilled water and an excess of sodium-hydroxide solution (15 per cent.) added, the mixture assumes a strong green fluorescence.

Senoja (3/12).—Wood Charcoal.—The preparation of wood charcoal on a small scale for special purposes presents considerable difficulty, but we think that a recently published method of making animal charcoal on a small scale could be applied to the preparation of wood charcoal. The process consists in embedding the pieces of wood in sand in a clay crucible and burning in a muffle furnace. Different kinds of wood yield charcoals of various densities. For church purposes the charcoal requires to be of medium density, and we think you will find oak a suitable wood to char.

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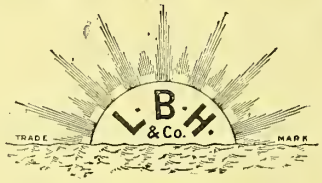

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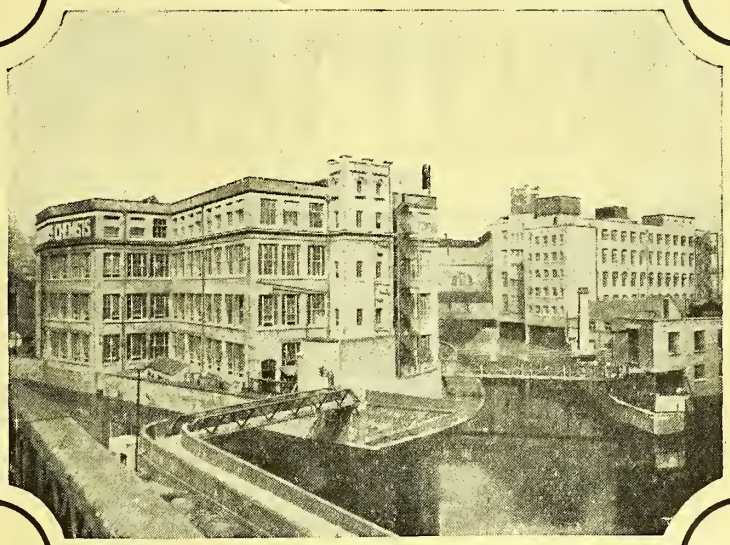

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OPOLAXYL.
For Constipation. A combination of pancreatic, biliary, and intestinal secretions. A normal regulator of the intestinal functions. Tablets.

QUINEINE.
A liquid extract from Cinchona Succirubra. Contains 5% of Quinine Alkaloid.

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For the treatment of Gonorrhœa in its various stages by the internal administrations of specially prepared Gonococci. In Spherules. Rapid, effectual, harmless.

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For Staphylococcal affections. In 2 c.c. ampoules for Intramuscular Injection.

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Oxide of Tin and Tin-metal free from lead. Treatment of Acne, Boils, etc.

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Solution of Saccharose. Intramuscular Injection for Tuberculosis.

SUPSALVS.
Stable Suppositories of "606" (French Manufacture).
Simple, effective, harmless. Give excellent clinical results.

TRICALCINE.
Contains the pure phosphates of lime and magnesia.

URASEPTINE.
Composed of Urotropine and Helmitol.
A powerful Urinary Antiseptic. Dissolves and eliminates Uric Acid

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BRINGS QUICK RELIEF FROM HEADACHES

Prompt in Action and quite Safe

A harmless and pleasant stimulant, and restorative for mental fatigue, lassitude, depression and brain fag. Dissolves with bright, sparkling effervescence.

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Gout, Rheumatism, Rheumatic Gout, Lumbago, Sciatica, Neuritis, Gouty Eczema, Kidney Stone, Gravel, and all Uric Acid Disorders.

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The ORIGINAL and STANDARD for OVER HALF-A-CENTURY

This was the first of all Granular Effervescent preparations, and was invented by Alfred Bishop in 1857.

Unequalled for Purity and Palatability and for keeping Properties in any Climate.

A valuable Febrifuge Antacid and Cooling Refreshing Draught.

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Makes a delightfully palatable beverage; cools and purifies the blood; clears the liver and kidneys, and acts as a mild aperient.

KEEPS WELL IN ANY CLIMATE AND IS A READY SELLER.

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	M.R.P.	M.W.P.
Healo Skin Cintment	1/3	11/6
,, ,,	3/-	29/6
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"Sanco" Skin Tablets 14/- gross, special terms for quantities.

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Terms, net cash 1 month

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Proprietors: C. I. HOOD & Co LTD.

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IF MADE by HOOD IT'S GOOD

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WHOLESALE PRICES.

Beecham's Pills:

1s. 3d. size	10s. 6d.	per doz. net.
3s. 0d. „	26s. 6d.	„ „
5s. 0d. new size... ... ... contains double the quantity of 3/- box.	50s. 0d.	„ „

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Orders: Minimum quantity £5 value—approximately. | *Packages FREE.* *Carriage PAID.*

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113 Temple Chambers, Temple Avenue, E.C. 4.

December 4, 1920.

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Crossed cheques or P.O.'s, payable to the Proprietary Articles Trade Association, to be sent to the Secretary, SIR WILLIAM GLYN - JONES, 113 Temple Chambers, E.C.4.

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that is of great advantage to the Chemist, because it is of monetary value in the . . . . cultivation of sales. . . . .

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of a Label or Carton may only appear a very minor matter, yet they are the most important items of all. Attractiveness in Window and Counter Shows impress customers, to your advantage in greatly increased sales.

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More and more people are using external remedies to break up congested conditions in the throat or lungs. Miller's Musterole not only brings relief for colds, but it also relieves bruises, pains, sprains, sore muscles, etc.

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In 2-oz. Jars.
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In Tubes,
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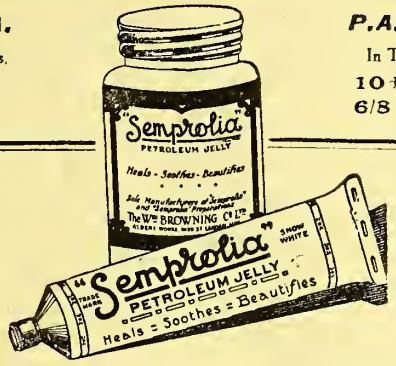

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Be Prepared to meet the Christmas Demand for Movol

Stains occur very frequently at Christmas-time; children are home from school, and little festive occasions are the order of the day.

You will find a great demand for Movol as a proved reliable stain remover, and it would be well to be prepared to meet the extra demand by ordering a supply now.

TRADE MARK
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STAIN REMOVER

Removes Ironmould, Rust, Fruit and Ink Stains from White Linen, Clothing, Marble, etc.

Showcards and full particulars sent on request to Sole Makers:—

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METHYLATED SPIRIT

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Buy from one of the oldest houses in the trade.
Write for Prices. *Established 1794.*

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The Latest & Best.

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WE ARE NOW MAKING SPECIAL OFFERS OF ABOVE.
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Aromatic	Ginger Stout
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Samples Free On Application.

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Prices: **Small Size** (12 to Gallon) **29/6** doz.
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BEEF & MALT WINE

WITH QUININE

(Can be sold by Chemists without Licence)

Prices: **Small Size** (12 to Gallon) **31/6** doz.
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We import the Wine specially for the manufacture of this Beef and Malt Wine, and offer a sound and well-flavoured product at the cheapest possible price consistent with the excellent quality.

We have a variety of labels, and would be pleased to submit same to you for your selection, together with a sample of the Wine.

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DEVON WHARF and BELL WHARF,
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Prepared only from the Finest East-Coast Barley, combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.

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can be made up successfully with Treacle.

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Every flask tested at the works before dispatch.

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NORWEGIAN

COD LIVER OIL

from the original factory at
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In Original Tin-Lined Barrels, Gallon Tins, Winchesters and Bottles,

Samples and Prices on application to the Sole Proprietors :

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Established 1878
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WITH

Hypophosphites of Lime and Soda.

25% 33⅓% 50%

In Bulk or in Bottles and Cartons.
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Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	Ginger Ale
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Raspberry	Kola Champagne
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If not, you should take steps to procure one, and we will pay the cost.

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The only conditions are—

1. *That you agree to give full display to Dr. Hale's Vin-Sanguis in your premises all the year round.*
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Sells readily ALL the time.

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Straight dealing with a straight article finds its reward in continued custom and bigger business.

Repeat orders have always been a noteworthy feature in Kutnow's trading. This remarkable aperient fully justifies its claims both as a corrective and as a palate-pleasing drink, and customers who have once tried it usually make it a feature in their home life.

Why not have some of this good-class custom and enjoy the constantly increasing sales which this well-advertised and enthusiastically recommended powder means to all chemists who stock it?

Ask your Wholesale Dealer for full particulars.

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DIABETIC BREAD.

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ENERGEN BREAD is packed in sealed boxes specially for chemists' trade.

This bread can be stocked without any risk of deterioration and yields a substantial profit.

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If you do not yet stock it your wholesaler will supply you.

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Packed for dispensing only, in 10, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

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Of proved utility in Nervous Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

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No. 1.	1½ oz. Tin ...	9/-	per doz.
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Packed for dispensing only in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

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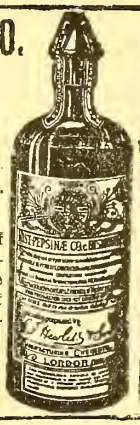

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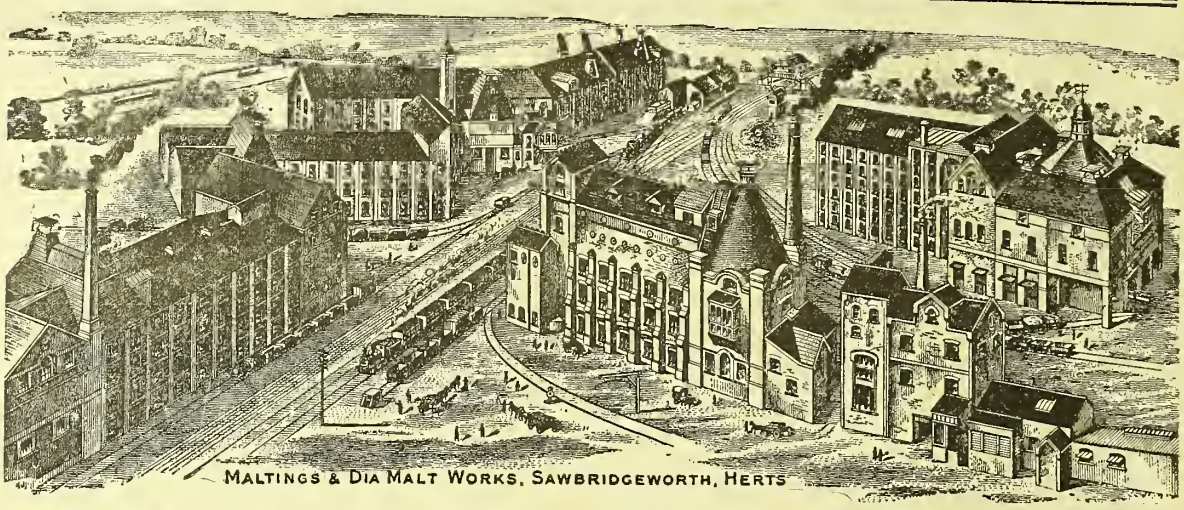

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Supplied in SCREW-CAPPED, AIR-TIGHT Round AMBER JARS

Quotations and Specimen Labels on application. *Terms : Net Cash, Monthly a/c, Carriage Paid*

Chemist's own Name and Address printed on label on orders of 6 dozen upwards

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GUARANTEED PURE GENUINE

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MEDICINAL COD LIVER OIL

IS THE FINEST OIL PRODUCED

It is perfection in colour, smell, taste and absolute purity.
Manufactured from the finest fresh Cod Livers on same day as fish caught.

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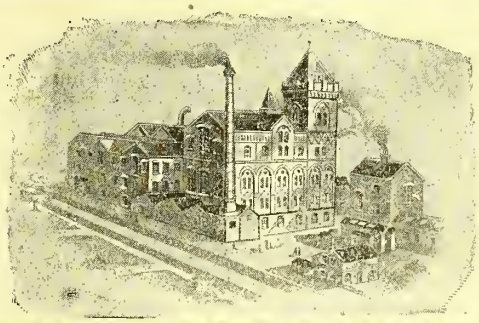
"John  Bull"
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COD LIVER OIL

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Supplied in Bulk, Jars, Cardboard Containers, &c., for Wholesale and Export only.

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Washes Clothes without Rubbing.
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MEDICINAL : CULINARY
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Appeals to all interested in children. So beautifully got up and packed that when shewn cannot help being sold. It's press advertised all the time too.
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6D PER PKT 4/- DOZ
FOR CHILDREN
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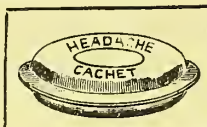

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Each	4/5	4/9	5/2	5/6	6/-	6/9	7/-	8/-

Each Bottle in a strong paper bag, with directions for use.

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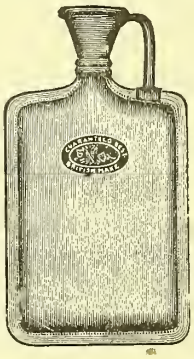

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The object of the Patent Rubber Covered Screw Stopper is to overcome the loss of washer and leakage. A glance at Fig. 1 shows the sectional view, the black solid parts representing the rubber covering gripping (1) the brass flange making it a fixture, so that no loss of washer is possible, the broad solid seating (2) when the stopper is screwed down renders it ***Absolutely Watertight.***

The effectiveness of the Patent Constructed Neck can be clearly seen by a comparison of Figs. 2 & 3. In addition to overcoming the old trouble of leaky necks, the new formation of the socket enables the bottle to be easily filled and without any fear of "splashing."

The socket is also secured from working loose by an ingenious method, the rubber being connected in sections right through the brass socket, forming the neck and socket into one solid piece.

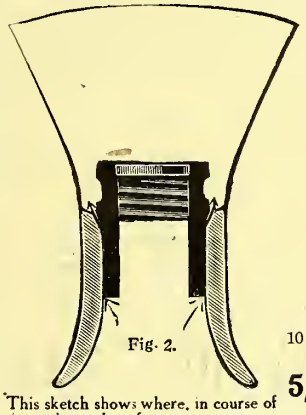

Fig. 2.

This sketch shows where, in course of time, the action of water permeates, between the brass socket and rubber, causing leakage.

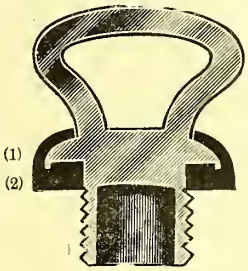

Fig. 1.
Patent No. 107940

Sizes, inches—

	10×6	10×8	12×6	12×8	14×8	12×10	14×12	16×12
Minimum Wholesale Prices to Chemists—each	5/6	6/-	6/-	6/6	7/7	7/11	9/9	11/1
Minimum Retail Prices—each	7/4	8/-	8/-	8/8	10/-	10/6	13/-	14/9

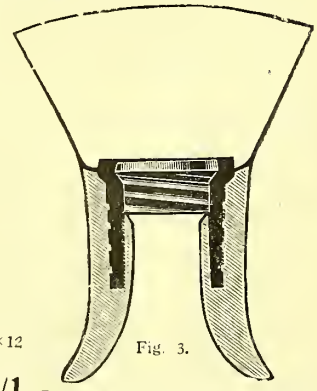

Fig. 3.

The Patent Constructed Neck (No. 118 22 shows the brass socket embedded in rubber rendering it now impossible for water leakage to occur.

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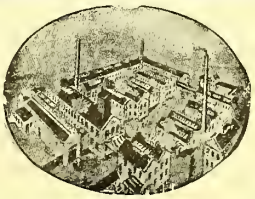

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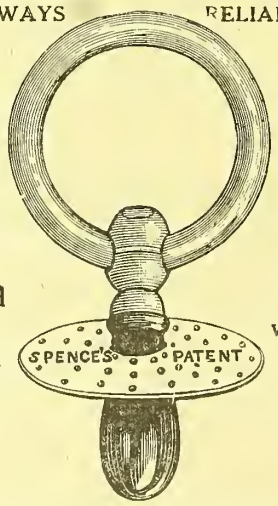

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A study of this diagram will show the advantages over the old-fashioned bottle.

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Size	Min Wholesale Prices to Retailers	Min. Retail Prices to Public
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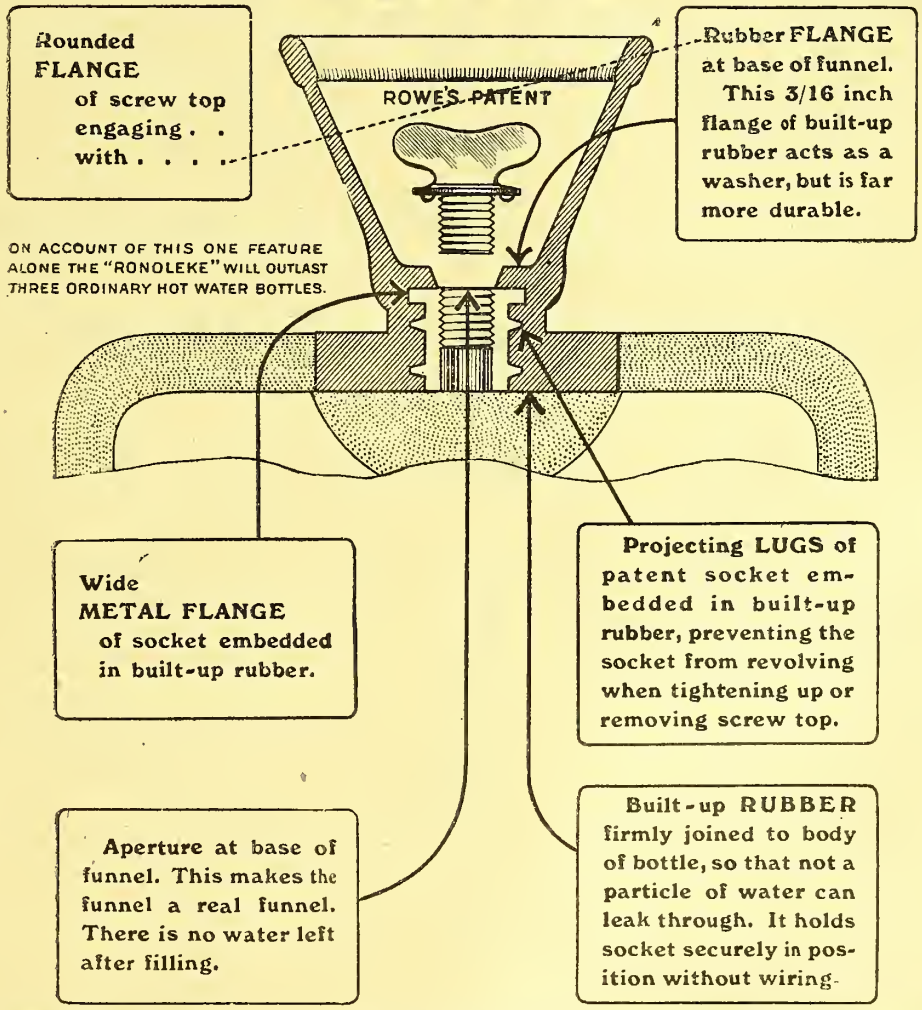
6×10 „	5/6	7/1 „
7×10 „	5/9	7/4 „
6×12 „	5/10	7/6 „
7×11 „	6/-	7/9 „
8×10 „	6/3	8/- „
7×12 „	6/6	8/4 „
6×14 „	6/6	8/4 „
8×12 „	7/1	9/2 „
9×12 „	7/5	9/7 „
8×14 „	7/8	9/11 „
10×12 „	7/11	10/2 „
10×14 „	8/11	11/5 „
10×16 „	9/9	12/7 „
12×14 „	9/11	12/8 „
12×16 „	10/6	13/6 „

(The bottle with the Patent Unleakable Moulded Neck.)

The "Ronoleke" REGD.

Hot Water Bottle



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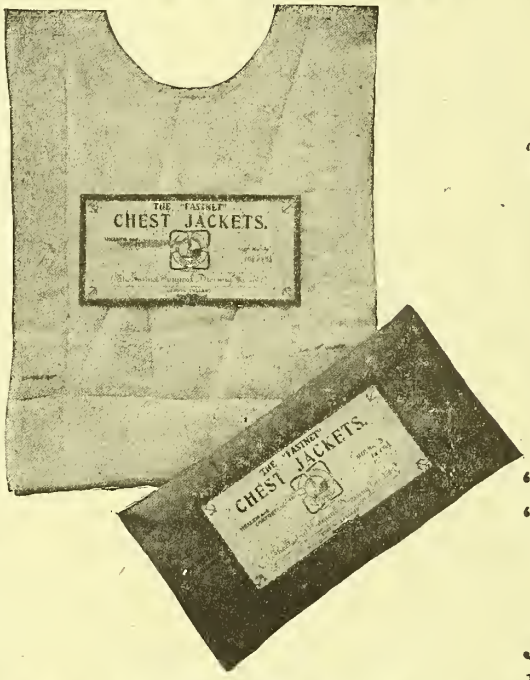

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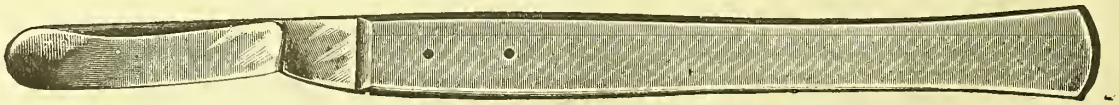

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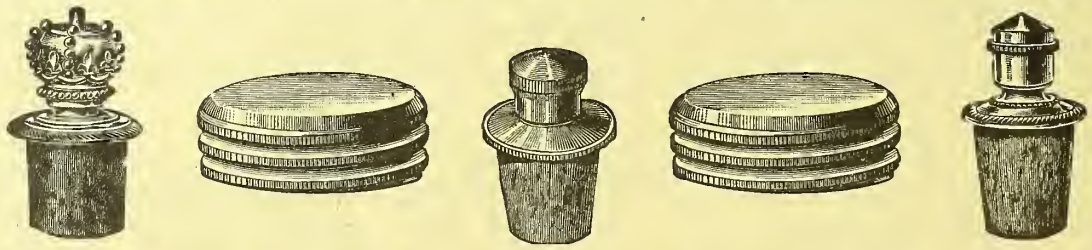

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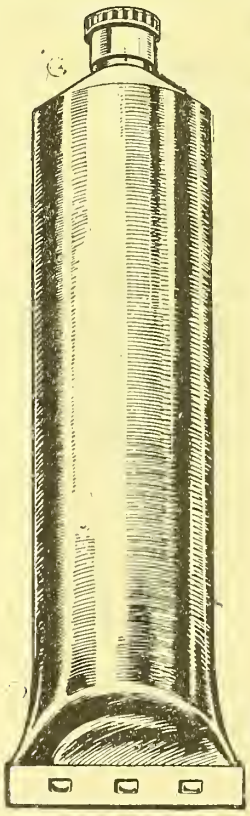

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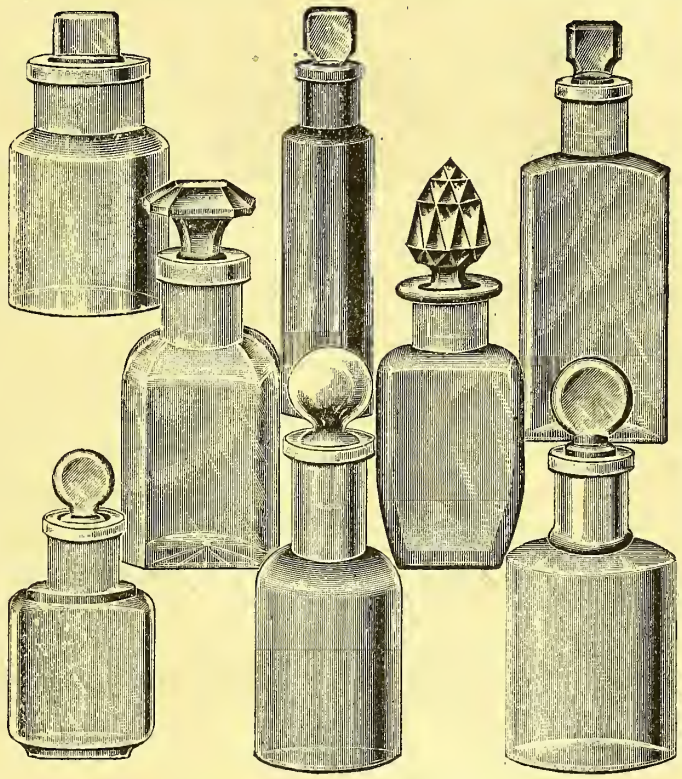

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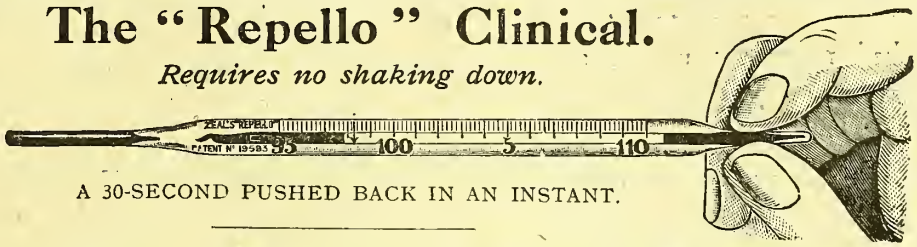

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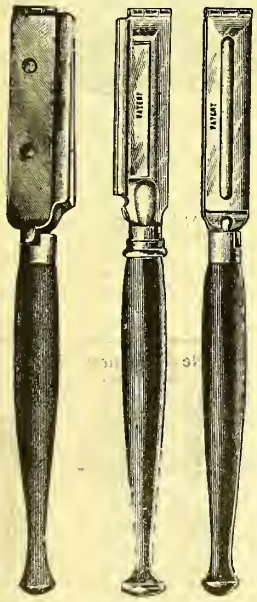

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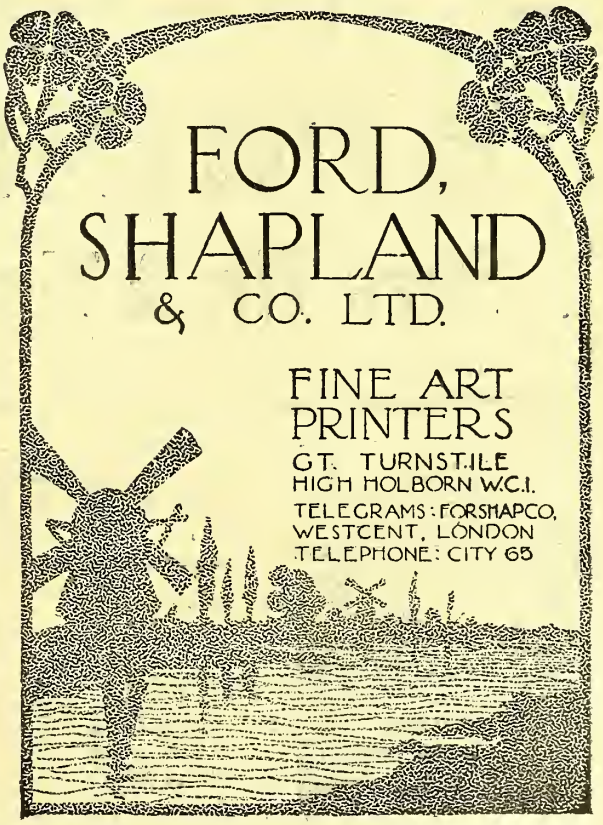

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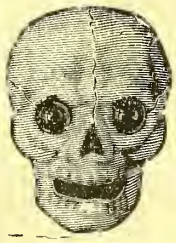

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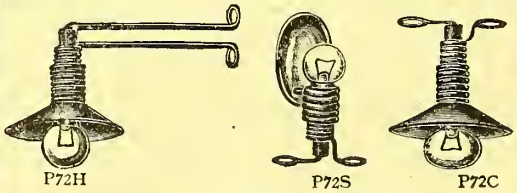

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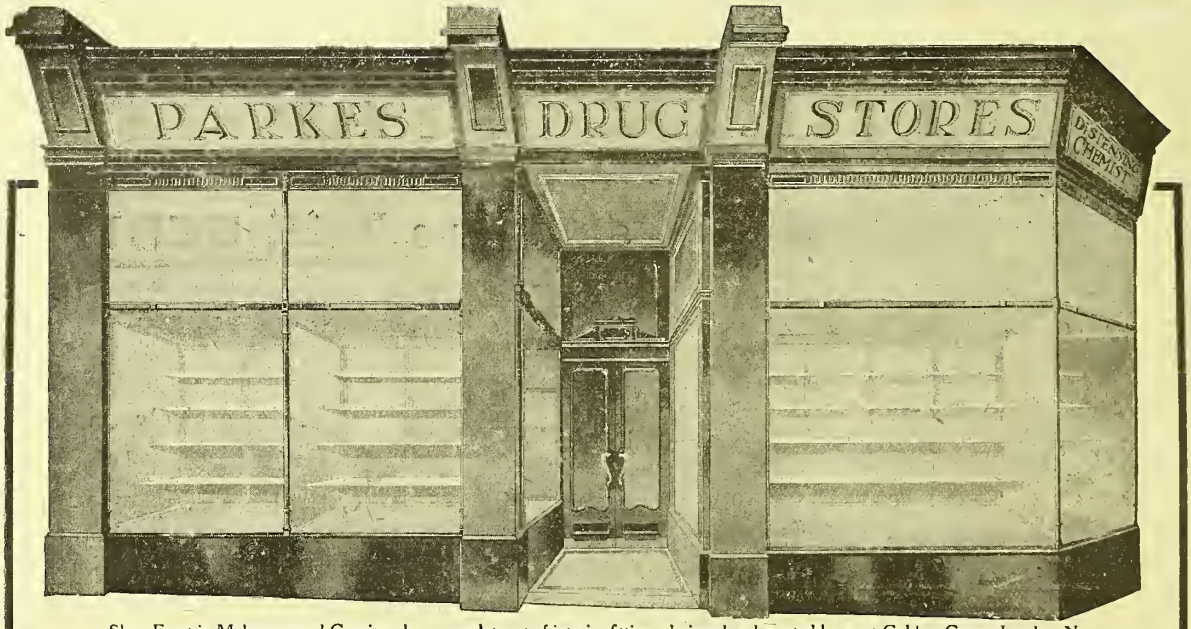

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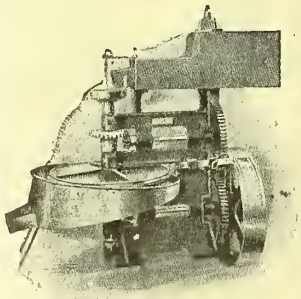

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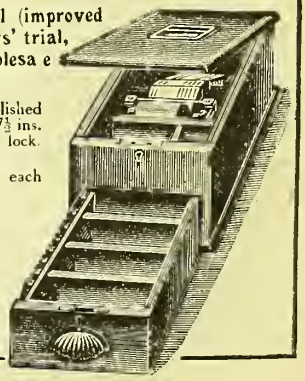

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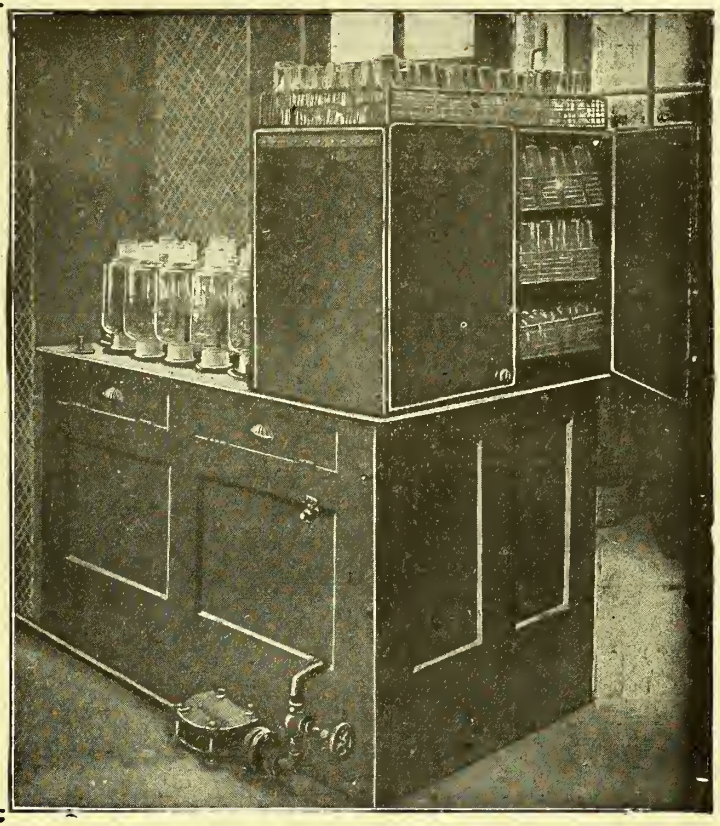

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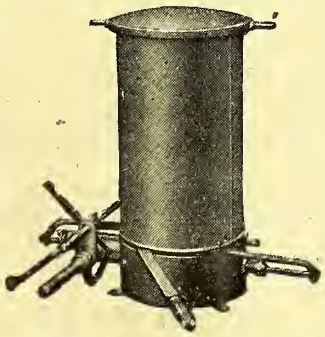

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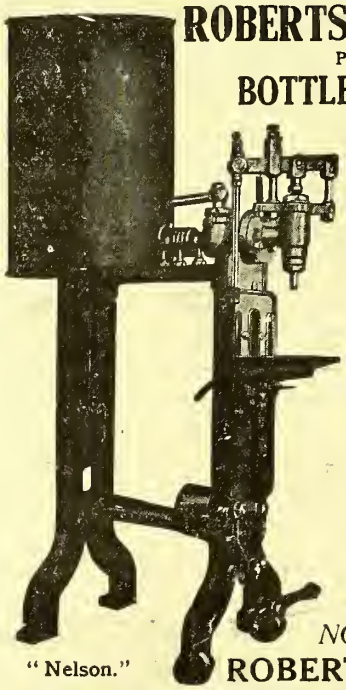

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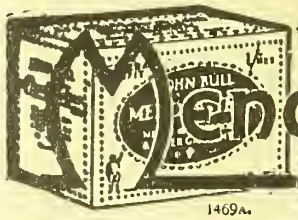

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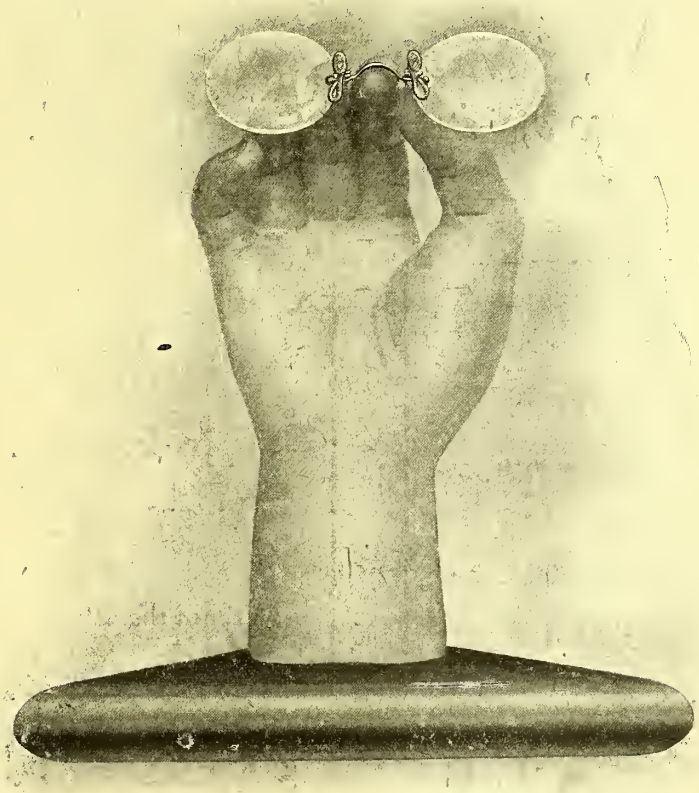

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DECEMBER 11, 1920

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3.—LONDON, W.—General Retail and Dispensing Business; returns, present rate, £2,000 per annum, at good prices; double-fronted shop; held on lease at a moderate rental; further details on application.

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5.—LONDON, S.W.—Light Cash Retail Business; returns £40 weekly, *at excellent profits*; good working stock; lock-up shop; low rental; price about £1,400; part-payment entertained.

6.—LONDON, W.—High-class, old-established Dispensing and Retail Business, situate in the midst of residential mansions; returns about £5,000; *profits above the average of retail trade*; splendid, large shop, fitted throughout in best mahogany and fully stocked; intending investors, with about £3,500 at command, will be treated with; personal application necessary.

7.—VICTORIA PARK.—Drug Store; returns between £900 and £1,000 per annum; *profit* £425; double-fronted shop; small house; moderate rental; price £400.

8.—HAMPSHIRE (Coast Town).—Ready-money Business, comprised largely of the sale of own Proprietaries; returns last year between £11,000 and £12,000, at good prices; further details will be furnished on application.

9.—LEEDS (few miles from).—Cash Retail and Photographic Business; returns £3,000 per annum; at usual prices; lock-up shop; rent £80; held on lease; terms, valuation of stock and fixtures and £200 for goodwill.

10.—POTTERIES.—Ready-money Business and own Proprietaries; position is good, and returns can be much extended; present rate between £2,500 and £3,000; for a prompt sale £1,250 would be considered.

11.—EAST COAST.—Light Cash Retail Business; returns last month £100; *net profit* 25%; scope for extended trade under energetic management; lock-up shop; rent £30 per annum; lease will be granted.

12.—WESTERN COUNTY.—Good-class Retail, Dispensing, and Photographic Business, situate in a fashionable and thriving town of importance; returns upwards of £3,600; *net profit about* £1,100; further particulars on application.

13.—MIDLANDS.—General Retail and Dispensing Business, capable of extension under modern management; returns, present rate, £3,000; *net profit about* £750; held on lease; moderate rent; price £2,500.

14.—L. & N.W. MAIN LINE.—General Retail and Wholesale, in small Packed Goods, doing the leading trade in the district; returns upwards of £10,000, with scope for development; commodious premises, used entirely for business purposes; rent £60; long lease; valuation terms entertained.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3

Telephone: 1809 CENTRAL

SPECIAL NOTICE to INTENDING VENDORS.

Messrs. Berdoe & Fish are in immediate want of businesses in all parts of the country, including London and suburbs, having waiting clients with capital from £800 to £3,000 to invest.

We guarantee quick sales with the utmost privacy, and cordially invite correspondence. Terms sent on application.

STOCKTAKING.

We are now open to book dates for February and early in March.

ESTABLISHED 1870.

TENDERS.

COUNTY BOROUGH OF SALFORD.

LADYWELL SANATORIUM.

Tenders invited by 10 a.m., 16th December, for the supply of Drugs, Medical and Surgical appliances, and Diphtheria Antisera required for the ensuing six months. Tender forms from Medical Superintendent, Ladywell Sanatorium, Ecoles New Road, Salford.

L. C. EVANS, Town Clerk.

AGENCIES.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

FRENCH COMBS, BRUSHES, AND TOILET GOODS.—Importers supplying Wholesalers only require Agents on commission for Wales, Midlands, and North; experience and first-class references essential. Apply 7/19D, Office of this Paper.

MESSRS. J. NASSAN & CO., of 129 Wool Exchange, Basinghall Street, E.C. 2, are open to appoint subagents in all parts of the United Kingdom for Parfumerie D'Orsay, the well-known French Perfumes (see advertisement on page 39).

£5 WEEKLY being earned by several agents, in addition to usual income, by introducing two of our popular lines; light samples; goods take no selling. We require Travellers with good connections for following ground: Liverpool and N.W. Coast, Notts and Derby, London and Home Counties, Southern, Western, Eastern Counties; 15 per cent. commission. Apply 201/36, Office of this Paper.

PARSON C. BAKER Ph C., M.P.S., 4 Cyprus Road, Church End, N.3

Wm. ROOKE ROBERTS, M.P.S., F.S.I.C.

174 Victoria Street, S.W.1. Tel.: Victoria 27.

Valuers for Purchase, Sale, Probate, Income Tax, Balance Sheet, &c.

Recommended by The British Drug Houses, Ltd., Messrs. Meggeson Ltd., Messrs. Barclay & Sons, Ltd., and many other leading Wholesale Houses. Valuers to the Association of Manufacturing Chemists.

CHARLES C. MARSDEN

Valuer, Transfer Agent & Stocktaker,

44 Sholebroke View, Chapeltown Road, Leeds.

Stocktaking Valuation. Special Terms.

All Valuations have the personal attention of C. C. Marsden.

MR. CHEMIST,

Do you know the value of your stock?

ALTERED VALUES of DRUGS, &c., make STOCKTAKING A COMPULSORY but WISE MEASURE. FURTHERMORE, it must be priced WITH DUE REGARD TO PRESENT VALUES.

Before making arrangements, write me for estimates under my various schemes.

ERNEST J. GEORGE,

202 Birmingham Road, Walsall, Staffs., and 26 Langside Rd., Newlands, Glasgow.

I price stocks after Chemist's own taking.

BUSINESSES WANTED.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

BUSINESS wanted in Lancashire, showing good return; bank references if necessary; particulars in confidence. Apply 206/7, Office of this Paper.

CASH Retail Business wanted; can settle immediately; any district provided plenty of scope offers for energetic man; advertiser will view by appointment, and will treat all communications in confidence. Address usual particulars to "O. H. C." (206/10), Office of this Paper.

DRUG STORE wanted, London (with living accommodation); price up to £500 cash, or if higher balance by instalments; neglected Business considered, or purchase of suitable Premises with possession. Apply 209/4, Office of this Paper.

MEDIUM-CLASS Business, about £1,000, wanted, anywhere, but must have good living accommodation, with garden and modern conveniences; able to stand every investigation; neglected business with good prospects preferred. "Chemist," 23 Goshen Road, Torquay.

SMALL Drug Stores required, in or near London; neglected one not objected to; or suitable vacant shop; accommodation preferred, but not essential. Apply, with full particulars, to R., 46 Hathaway Road, Croydon.

SOUND Business required near London or large town; scope for increase and good living accommodation essential; returns not less than £1,500 per annum; one with Photography or good opening for such; books to be open to strict examination; terms cash. Apply 205/36, Office of this Paper.

WANTED, a Drug Store; Midlands preferred, but not essential; a neglected Business not objected to if position is good; cash down; kindly give full particulars in first instance, which will be treated in strict confidence. Apply 208/9, Office of this Paper.

LEGAL.

1920 S. No. 4375.

In the High Court of Justice.
Chancery Division.

Mr. Justice Eve.

IN THE MATTER OF STEVENSON & HOWELL LIMITED

and

IN THE MATTER OF THE COMPANIES (CONSOLIDATION) ACT 1908.

NOTICE IS HEREBY GIVEN that by an Order dated the 3rd day of December 1920 Master Chandler has directed separate meetings of (1) the Preference Shareholders of the above named Company and (2) the Ordinary Shareholders of the above named Company to be convened for the purpose of considering, and if thought fit, approving (with or without modification), an arrangement between the Company and the holders of the Preference Shares whereby the rate of dividend shall be increased from £5 per cent. per annum as originally fixed by clause 5 of the Memorandum of Association of the Company to £6 5s. 0d. per cent. per annum, such increase to take effect as from the commencement of the Company's current financial year, and such Meetings will be held at 58 Coleman Street in the City of London on Wednesday the 22nd day of December 1920 at the respective times below, namely:—

(1) The Meeting of Preference Shareholders at 12 o'clock noon and

(2) The Meeting of Ordinary Shareholders at 12.15 o'clock in the afternoon or so soon thereafter as the said Meeting of Preference Shareholders is concluded, at which place and respective times all the said shareholders are requested to attend.

The said Preference and Ordinary Shareholders respectively may attend such separate Meetings as aforesaid and vote in person or by proxy provided that all proxies given by the said Shareholders be deposited at the Company's office 95a Southwark Street London S.E. 1 not later than 12 o'clock noon on Monday the 20th day of December 1920.

The Court has appointed William Stevenson or failing him Albert James Croxford to act as Chairman of the said Meetings.

The above mentioned arrangement will be subject to the subsequent approval of the Court.

Dated this 6th day of December 1920.

J. WILKINSON,
Secretary,
STEVENSON & HOWELL LIMITED.

95a Southwark Street,
London, S.E. 1.

FOR SALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

FOR Sale, 3 oz. genuine Otto of Roses, 6 oz. Heliotropine, 4 oz. Caffeine, 3 oz. Coumarin. What offers? Apply Dodd's Drug Stores, 35 Hampstead Road, N.W. 1.

25 OZ. Quinine Sulph., B.P., 3s. 10d. oz.; 2 lb. Ol. Caryoph. Ang., 15s. lb.; 2 lb. Pot. Iodide, B.P., 16s. 6d. lb.; 2 lb. Iodine Resub., 18s. lb.; 8 oz. Ol. Amygd. Ess. S.A.P., 3s. oz.; 4 oz. Carmine Pure, 2s. 3d. oz.; would divide, 30s. value, post free. J. Adamson, M.P.S., 47 Bedford Street, W.C. 2.

PARTNERSHIPS.

PARTNERSHIP in or near London; first-class foreign and English experience; capital available £1,000 to £1,500; Wholesale or Retail. Apply 203/12, Office of this Paper.

TO LET.

TO Let, on lease, good House and modern up-to-date Shop; seaside; vacant possession. Write, Box 135, Willings, 125 Strand.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

DURHAM.—In an important shipbuilding town, well situated; Drug Store for Sale; double-fronted shop, with private house attached, containing 8 living-rooms and bathroom, scullery, etc., private entrance; well stocked and fitted; registered Toilet Preparation, Wine Licence; returns about £900 per annum, but offers excellent opportunity for extension under qualified management; immediate possession; property £1,250; stock and fixtures at valuation. Apply 208/10, Office of this Paper.

KENT.—Old-established Business, good Prescribing, N.H.I., not many patents, with good-class Stationery, Fancy, and old-connection Newsagency, in healthy country seaside small town; nearest opposition nine miles; capable of much increase with undivided attention; returns over £2,500; nearer £3,000, increasing; good opening for Dentistry and Optics; high-class season business. Full particulars only to bona-fide buyers, with banker's reference; no agents; investigation invited; owner other interests; price £1,700; property freehold; D.F. shop may be purchased; living accommodation over shop or house available; price, including property if desired, £2,350. 208/16, Office of this Paper.

LONDON.—Buiness in market street, splendid position, for immediate Sale, on account of death of proprietor; takings last year about £40 weekly; double-fronted shop, well fitted, fair stock; six-roomed house; moderate rent on lease; references required. "Chemicus," Messrs. Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.

SOUTHPORT.—Central, chief thoroughfare, genuine, progressive, old-established Business; Dispensing, Family, and Photographic; well stocked, several valuable proprietaries; living accommodation; excellent takings and profits; premises leased or preferably purchased; bona-fide principals only. Address Edward L. Lea, M.P.S., 169 Eastbank Street, Southport.

SOUTH WALES.—Good Dispensing, Prescribing, and Agricultural Business for Sale; well stocked and fitted; death cause of sale. Full particulars, "Seidlitz" (208/40), Office of this Paper.

WHOLESALE Business (Chemist's) for Disposal; W.C.; Office and Warehouse; returns, present rate, nearly £4,000; excellent opportunity for smart man with small capital; price £650; owner willing to stay on for a few weeks if required. Apply 208/12, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BIRMINGHAM MUNICIPAL TECHNICAL SCHOOL.

Applications are invited for the post of Assistant Lecturer and Demonstrator in Pharmacy. The position is a whole-time appointment. Preference will be given to candidates possessing the Major qualification and some teaching experience. Full particulars and form of application (to be returned by 1st January) may be obtained from the Secretary, Municipal Technical School, Birmingham.

BIRMINGHAM.—Junior or Improver, must be good Counterman, for Middle-class business; comfortable berth for suitable man. Apply, stating age, experience, and salary required, 208/29, Office of this Paper.

KENT (within easy reach of London).—Capable unqualified Assistant possessing good Photographic experience; permanent position. "Photo" (206/3), Office of this Paper.

RHYL.—Wanted, unqualified, experienced Assistant; outdoors; easy hours; permanency; must be of good address. State salary required, experience, and full particulars (with photo if possible), to P. J. Ashfield, Pharmacist.

SWANSEA.—Unqualified Assistant; single; good Dispenser and Countermnn; state age and salary required. "Swansea" (206/301), Office of this Paper.

SOUTH WALES.—Unqualified Assistant required immediately; single preferred; must have had experience in Optics; permanent and progressive post. "Optics" (206/300), Office of this Paper.

YEOVIL. Chemist-Optician required (early January); good salary; good all-round gentleman wanted, able to do Repairs; sole charge of Optical Department; commission on increased returns. Newton & Co., Chemists and Opticians, Yeovil.

CAPABLE Junior required; good Counter and Dispensing experience and Photography. Apply, with full particulars, age, references, and salary required, to Gilbert & Hall, 35 Commercial Road, Bournemouth.

IMMEDIATELY.—Qualified Assistant; outdoors; conscientious, trustworthy, and energetic; hours 9 to 7.30, Thursday 1, Saturday 8.30; no Sunday duty; please state age, height, experience, salary required, and when disengaged, applications (by letter only) not answered in three days declined. L. J. Reade, 17 Lichfield Street, Wolverhampton.

LADY Assistant Wanted (immediately) for general Pharmacy duties in branch Pharmacy at Fulham Palace Road, Fulham. Please state age, experience, and salary required. Liston, Pharmacist, 280 Fulham Road, South Kensington, S.W. 10.

LEWIS & BURROWS have vacancies for one or two unqualified Juniors; preference given to ex-service men. Apply Lewis & Burrows, Ltd., 146 Holborn Bars, E.C.

PARKE'S DRUG STORES, LTD., require (immediately) an unqualified Assistant for their Watford branch; applicant must be young, energetic, and a good Salesman. Apply, by letter in first instance, stating full particulars as to age, experience, etc., to 65 Harmood Street, Kentish Town, N.W. 1. Highest references required.

QUALIFIED Assistant; good Mixed Dispensing business; age 40 to 50; outdoors; industrial district Staffordshire; state salary and usual particulars. Reply 205/32, Office of this Paper.

REQUIRED, gentlemanly unqualified Assistant; London experience; must be accustomed to good-class Dispensing and Counter work. Apply, stating full particulars and salary required, to Barnes & Marsh, Putney, S.W 15.

REX BLANCHFORD, Chemist-Optician, is requiring a Manager for his Richmond Hill Pharmacy; also Junior for his Wimbledon Hill Pharmacy. Apply by letter only, giving salary (outdoors) and experience, to 76 High Street, Wimbledon, S.W. 19.

ST. BARTHOLOMEW'S HOSPITAL, E.C. 1.—A vacancy occurs for a Junior Assistant Dispenser (male); Pharmaceutical qualifications essential; age not over 30; short hours; progressive salary, commencing £200 per annum; suit Major or other Student. Application, by letter only, to Langford Moore, Pharmacist to the Hospital.

UNQUALIFIED Assistant wanted (immediately); applicant must be young, energetic, good Salesman, and a reliable Dispenser; highest references. Apply by letter, stating age, height, and full experience, to "Alpha" (29/28P), Office of this Paper.

WANTED, lady Dispenser-Bookkeeper, North London Surgery, to commence work in January. Apply P.C.B. 41/33, Office of this Paper.

WANTED, smart Junior Assistant, unqualified, for good-class Retail and Dispensing Country business. Apply, stating age, experience, salary required (outdoors), R. C. Harrison, Gruyshott, Hindhead, Surrey.

WHOLESALE.

SCOTLAND, Lowlands.—Traveller, to take over existing connection upon liberal commission basis; live Salesman, with experience of Essential Oils, Essences, Colours, etc., for Baking, Confectionery, and Mineral Water trades. 209/1, Office of this Paper.

ASSISTANT, for Sundries Department, required by London Export Druggists; state experience, age, and wages required. P.C.B. 42/29, Office of this Paper.

LABORATORY Assistant, to make Ointments on a large scale; must be clean and methodical worker. State full particulars as to wages required and experience; January 2nd. "Manchester" (41/3V), Office of this Paper.

SALESMAN.—London Druggist Sundries' house require leading Clerk for Sales Department; competent in marketing, correspondence, office routine. Apply, with details of experience, salary required, to 36/52, Office of this Paper.

MESSRS. DOLS & CO., LTD., shortly desire Travellers, preferably on a commission basis, for their specialities in Volatalise Flannel and Daylight Dyes, calling on Chemists, Grocers, and Sundriesmen for the following districts: Lancashire, including North Wales; Scotland; Northumberland, Westmoriand, Cumberland, and Durham; the East Coast below Yorkshire; South Coast, not including Cornwall; Birmingham and district; West Riding of Yorkshire; Channel Islands; Bristol and Devonshire. Letters should be addressed, giving all particulars of ground covered, to Sales Dept., Dols & Co., Ltd., Lockwood's Yard Factory, Huddersfield.

SMART Representative, with live connection on East and South Coasts, required in the New Year by manufacturers of Soaps, Perfumes, and Toilet preparations; thorough knowledge of the trade essential. Address, full particulars of past experience, and salary required, to "Z. Y." (48/18B), Office of this Paper.

TRAVELLERS, Commission, wanted throughout U.K. calling upon Chemists, Druggists, Herbalists, etc., to carry splendid specialité line with excellent advertising material. Address, in confidence, with fullest particulars, age, ground covered, houses and lines represented, number of accounts, etc., to "Opportunity" (13/26G), Office of this Paper.

WANTED, first-rate experienced Travellers with connections amongst Chemists, Wholesalers, and Grocers by a firm of Manufacturing Chemists marketing a variety of goods. State age, ground covered, salary, and full particulars, to 43/21W, Office of this Paper.

YOUNG qualified Chemist required for Laboratory work (Wholesale); position offers scope for the exercise of originality and initiative in the production of packed goods; state salary required and experience in first letter. Apply P.C.B. 42/8, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

CHINA.—Gentleman, returning shortly to North China, is open to represent British Manufacturers on approved terms; extensive connection and knowledge of country. Write Cox, Craven House, Kingsway, London, W.C.

RHODESIA.—Wanted, for Rhodesia, Qualified Assistant, single, under 30, of good experience, and knowledge of Photography; three years' agreement; second-class passage paid out; healthy town; salary £400, £425, £450 for first, second, and third years respectively. Apply, with full particulars and recent photo, to "Essence," c/o Tozer, Kemsley & Millbourn, Ltd., 84 Fenchurch Street, London, E.C. 3.

ST. MORITZ (SWITZERLAND).—Qualified English Chemist required for about December 20 or January 1; extra language and Continental experience an advantage; salary 500 frs. per month and room free; travelling allowance 300 frs. Full particulars, in first letter, to International Pharmacy.

SOUTH AFRICA.—Qualified Assistants open to accept Retail situations in this healthy and progressive colony should write to Lennon Limited, 14 Lafone Street, London, S.E. 1.

STRAITS SETTLEMENTS.—Required (immediately), Assistant, young, unmarried, with Chemist's and Optician's qualifications; four years' agreement; passage paid out and home; salary first year £560, second year £630, third and fourth years £700; six months' leave of absence on full pay at end of agreement if same is renewed. Apply "W. C. H.," c/o Burgoyne, Burbidges & Co., Ltd., East Ham, E. 6

COLONIAL Branch.—Required in managerial capacity, a gentleman with intimate knowledge of the Pharmaceutical and Allied trades, and possessing executive ability and experience in directing sales force and trade propaganda; the position, offering wide scope, occurs in the Colonial branch of a London house Address B. (11/9F) Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement Instructions and remittances can be sent to us direct or through the advertisers, correspondents in this country.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 18 words or less: 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to the Office, and forwarded on payment of an additional charge of 1/-.

A.A.A.—ASSISTANT, unqualified; 8 years' good experience; age 27; willing worker; now disengaged; town or country; state terms. Apply to "Toluene" (P.C.B. 42/23), Office of this Paper.

A QUALIFIED Chemist desires post as Manager or Assistant; 15 years' experience; disengaged. 24 Hilton Road, Leeds.

A QUALIFIED Chemist desires responsible position, Manager, Locum, etc.; 15 years' references; energetic, resourceful, trustworthy. 13 Coniger Road, Fulham, S.W. 6.

A RELIABLE Assistant; good Counterman and Dispenser; excellent references; moderate terms. "Chemist," 6 Eastbourne Terrace, London, W. 2.

AS Assistant; 25; 3½ years' apprenticeship, three months' experience as Assistant. Apply M. L. 14753, Office of this Paper.

AS Manager or Assistant; qualified; 20 years' experience; permanency preferred; disengaged; London area only. Apply P.C.B. 41/7, Office of this Paper.

AS qualified Manager; elderly, energetic; good business capabilities and references; moderate wages. Apply 205/33, Office of this Paper.

AS Secretary to Hospital, etc.; age 43; married; 14 years' experience in business on own account as Chemist, also nine months' experience as Chemist's Manager. Apply M. L. 94021, Office of this Paper.

ASSISTANT; 27; apprenticeship and three years' experience as Assistant. Apply M. L. 97257, Office of this Paper.

ASSISTANT; age 20; 5 years' good all-round experience; Wholesale or Retail; light hours; Dispensing, Manufacturing, and good Salesman; studying for Minor; state terms. "Solis," 2 Edward Street, Wardour Street, W.

ASSISTANT; 26; 11 years' good-class Dispensing experience; quick and accurate; please state full particulars. "Provincial" (209/12), Office of this Paper.

ASSISTANT, Managing or Senior; unqualified; experienced; disengaged. Reply, "Statim," 72 Tremadoc Road, Clapham, S.W.

ASSISTANT (lady), 18, Student Associate, desires post with Chemist; one year's Hospital training. Thomas, 33 Richmond Street, Hereford.

ASSISTANT; tall, unqualified, 35; high-class experience; Dispenser; good references; temporary or permanency; Midlands preferred. Apply 206/2, Office of this Paper.

BATH.—Student (19), half-way through Hall, desires post in January to gain practical experience; salary no object. Apply Miss Holden, Strubby Vicarage, Alford, Lincs.

BLACKPOOL.—Qualified gentleman, 30, desires Managership in above town; smart appearance; trustworthy; London experienced, Photography, Dispensing, Prescribing, etc.; salary £5 per week. Apply 206/9, Office of this Paper.

CHEMIST, Minor (London), Ph.C., and Dispenser A.H. (Dub.), desires position; dependable references; first-class testimonials; excellent experience Retail, also Wholesale. "Sterling," 9/3 Clydesdale Mansions, Bayswater, W.

CHEMIST'S Assistant; 26; single; knowledge of French; three years' apprenticeship, two years' experience as Assistant; passed all subjects in Minor except Pharmacy. Apply M. L. 254364, Office of this Paper.

CHEMIST; qualified; age 21; single; educated Sunderland Technical College and Westminster College. Apply M. L. 89070, Office of this Paper.

CHEMISTS' Assistant; qualified; 23; single; some knowledge of French; three years' apprenticeship. Apply M. L. 243098, Office of this Paper.

CLERICAL.—Evening work of any kind; writing up accounts and posting up books; terms moderate. Write "F. G." (217/13), Office of this Paper.

DISENGAGED; qualified; aet. 46; wide experience; Manager or Locum; London preferred. "Chemist," 108b Elgin Avenue, W. 9.

DISPENSER (Hall); daily; London or suburbs; experienced; disengaged; 5 years' reference. Miss B. Warrington, 48 Buckleigh Road, Streatham.

DISPENSER (Hall), ex-V.A.D. Nurse, would give services, whole- or part-time, to Dispensing Chemist or Doctor for small salary in return for experience; to Doctor, Surgery assistance, Secretarial work. Apply 209/20, Office of this Paper.

DISPENSER, lady (Hall), young, disengaged, desires post immediately; 8½ years' experience. Apply 209/7, Office of this Paper.

DISPENSER, age 28, smart appearance, desires post, London district. F. W., 47 Este Road, Clapham Junction, S.W.

DISPENSER; mornings and afternoons; experienced Wholesale and Retail. Whitehead, 3 Bevan Street, Islington, N.

DISPENSER; unqualified; 25; four years' experience as Assistant. Apply M. L. 18518, Office of this Paper.

DISPENSER (Hall), lady, experienced, references, seeks post; Doctor or Institution. Hall, 26 Monmouth Road, Dorchester.

EMERGENCY Locum or Manager; good business man; experienced in every branch. "M.P.S.," 26 Kensington Gardens Square, London, W.

EXPERIENCED, qualified woman; 7 years' Dispensing and 3½ years' Retail; now at liberty; Wholesale or Retail Chemist, Doctor, or Institution. "M.P.S.," Sycamore Cottage, Cranleigh Road, Southbourne-on-Sea, Hants.

EXPERIENCED, middle-aged, unqualified; capable to take charge; good appearance and address. W. D., 82 Marlborough Road, Romford.

EX-SERVICE.—Chemist's Assistant, qualified, single, age 21, with five years' country experience; excellent references; wage moderate. Apply 203/1, Office of this Paper.

FRENCH Swiss, duly qualified Pharmaceutical Chemist, seeks engagement as Assistant to learn English Pharmacy and the language. A. Bally, Boulevard de Grancy, 26 Lausanne, Switzerland.

GENTLEMAN requires part-time, West-End or City, salary, to enable him to carry out patent to be put on market; unqualified. Apply P.C.B. 42/7, Office of this Paper.

LADY, as Junior or Improver; finished two years' apprenticeship; London district. C/o Watt, Burnham-on-Crouch.

LADY Dispenser (Hall), good Hospital experience, desires engagement with high-class Chemist or Institution. "Iveragh," Alexandra Place, Penzance.

LADY Dispenser (Apothecaries' Hall), 4 years' experience, requires situation, Retail; £2 10s. "Broca," 72 Oakfield Road, Stroud Green, N. 4.

LADY Dispenser, young, Hall qualifications, would come for board only to gain experience; willing to assist at Sales Counter for three months if guaranteed situation afterwards. Apply 196/31, Office of this Paper.

LOCUM, qualified, desires engagements from January 1st, 1921. Miss E. S. Malcolm, 24 Leazes Terrace, Newcastle-on-Tyne.

LOCUM, wide experience; highest references; well recommended; reasonable terms. "Beta," 74 West Hill, East Putney, London, S.W. 15.

LOCUM, disengaged, reliable. Apply "M. P. S.," Messrs. John Thompson, Ltd., 58 Hanover Street, Liverpool.

MANAGEMENT or Locum; disengaged; middle-age; experienced; well recommended; easy terms. Dean, 68 Addison Street, Nottingham.

M.P.S. (lady) requires position; Chemist's or otherwise; Handsworth or district; varied experience; references. 21 Somerset Road, Handsworth, Birmingham.

M.P.S.—Lady, Square trained, desires post with good Dispensing experience; London preferred. Apply 205/27, Office of this Paper.

M.P.S., MAJOR Student, desires Locum, December 18 to January 10; highest references; Chemist or institution. 209/17, Office of this Paper.

MANAGER, or responsible position, or Locum; qualified; disengaged; 27 years' first-class experience West End and watering places; energetic and up to date; accustomed control staffs; excellent references. Parker, 25 Cloudesdale Road, Balham, S.W.

NOTTINGHAM (January).—Assistant, Dispensing, Photographic; 15 years' experience; late W.O. Dispenser, V.D. Military Hospital; whole or part time. State salary, "Associate," 22 Victoria Road, Watford, Herts.

PHARMACIST and Optician (F.S.M.C.), well up all branches Dentistry, open to engagement on mutual terms; highest references. "Aptus" (203/20), Office of this Paper.

PHARMACIST (lady) desires post, Institution or Dispensing Chemist, London; reasonable hours and salary. 209/2, Office of this Paper.

QUALIFIED Dispenser, high-class family Dispensing experience, Dispenser and Buyer leading Northern Hospital, knowledge latest preparations, trained Princess Christian Nurse, highest references, good appearance, salary £2 10s., requires position with high-class Dispensing Chemist, Institution, or Doctor; Heaton Moor, Stockport, South Manchester, or Altrincham. Apply 24/42, Office of this Paper.

QUALIFIED man requires situation; any capacity; moderate salary; good references. Branson, 5 Wellington Road, Peckham, S.E.

QUALIFIED (37); 15 years' good all-round experience. "Statim," 29 Lyndhurst Road, Thornton Heath.

QUALIFIED seeks position, London; disengaged at short notice; interview. "Yoicks," 38 Mayflower Road, Stockwell.

QUALIFIED (26), energetic, resourceful, willing, conscientious worker, honest, trustworthy, not afraid of work, desires permanency; excellent references; Lancashire preferred, but not essential. Apply "Statim," 105 Plantation Street, Accrington.

QUALIFIED Manager; highest testimonials; Photographic, Prescribing; disengaged. M.P.S., 51 Salisbury Street, Victoria Avenue, Hull.

QUALIFIED; Dispenser or Manager; 49; reliable and experienced Ellinor, 39 Devon's Road, Bow, E. 3.

QUALIFIED Assistant in shop or factory; 27; single; seven years' experience. Apply M. L. 98444, Office of this Paper.

QUALIFIED, 26, requires position Branch Manager or Assistant; good-class business; best experience; disengaged end of year; North preferred; state terms, etc. Apply 258/6, Office of this Paper.

RECENTLY Qualified, ex-Service, seeks berth, moderate salary, to improve experience, Dispensing and business generally; disengaged Christmas. Please state salary to "Experientia," 58 Fore Street, Hertford.

SCOTSMAN (30), M.P.S., tall, married, desires position, Manager or Senior; house if possible; expert Dispenser, Buyer, Salesman; knowledge of Photography, Bookkeeping, Window-dressing; experienced Scotland, England; accustomed full control; highest references; disengaged soon. "T." (209/13), Office of this Paper.

THOROUGHLY conversant all branches Pharmacy, Window-dressing; Irish qualification; age 33; experience organising sales Heavy Chemicals to Continent; Assistantship or other post where services useful. Apply I. M. F. (42/37), Office of this Paper.

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WYNNE WILLIAMS, of Chalk Farm, having disposed of his business, is open to an engagement as Locum or permanency. Particulars to above at 14 Oppidans Road, N.W. 3.

YOUNG Lady Assistant (22), unqualified, desires post; six years' experience in first-class business; permanent or Locum; London only. 208/22, Office of this Paper.

XMAS.—Student would like to fill in vacation, December 20th to January 1st, as Dispenser or assist Counter, in Birmingham. Apply "J. H. S.," 73 High Street, Bloxwich, Walsall.

WHOLESALE.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

A REPRESENTATIVE, with first-class Chemist connection in London, S.E., S.W., W., and suburbs, open to represent good house; salary and commission basis; highest credentials. 208/27, Office of this Paper.

ADVERTISER, experienced in manufacturing Tooth Pastes, Face Creams, Ointments, etc., requires situation. Apply "Toilet Preps." (202/40), Office of this Paper.

ADVERTISER, with ten years' experience, desires situation as Working Foreman Tablet-maker; good organiser and disciplinarian; age 30. Apply 199/8, Office of this Paper.

ADVERTISER, 45, well educated, seeks responsible position with manufacturing firm; long experience in general analytical work, works control; knowledge of modern plant and machinery, Soaps, Glycerine, Toilet Preps., Pharmaceuticals, Fine Chemicals, etc.; excellent references; moderate salary to commence. Apply 251/37, Office of this Paper.

ADVERTISER desires additional line; 10 E. and S.E. Counties; established connection; salary or commission, part expenses. "Useful" (258/13), Office of this Paper.

ASSISTANT (25) seeks position in Wholesale house; good knowledge of Drys, Fine Chemicals, and Wets. Apply 202/37, Office of this Paper.

EXPERIENCED Pill and Tablet Coater seeks engagement; sound knowledge of every style of Coating; age 24, single. G. Tugwell, 53 Rutland Road, Hove.

EX-SERVICE man, age 22, requires position with Wholesale house; Wet, Dry, or Laboratory; three years' experience; excellent references; immediate. Puffett, 7 Goldsmith Avenue, Manor Park.

GENTLEMAN, well known, and can give highest references as to standing and ability, returning very shortly to the Pacific Coast of America, would like to get in touch with first-class firms wishing to be represented there; lines must be very good. P.C.B. 42/30, Office of this Paper.

IMPORT—EXPORT (Druggists' Lines).—Educated pushing man, 31, with 10 years' Continental experience, knowing German, French, Italian, Dutch, seeks good situation with well-known firm of Chemists' Sundries, etc., as Managing Buyer or Salesman, rubber goods; also partnership will be considered, with reliable house; particulars given personally; letters sub. "Leading Position" (P.C.B. 41/35), Office of this Paper.

JUNIOR, completing five years' apprenticeship with Wholesale firm, desires post, commencing January; experienced in Pills, Tablets, Dispensing, etc. Apply 202/39, Office of this Paper.

LADY, 3 years present position, wishes to represent firm for Packed Goods and Sundries; Midlands and Kent district known; can give good references and show returns. Apply in first instance to 206/8, Office of this Paper.

REPRESENTATIVE, London and district, with connection among Chemists and Institutes, is prepared to consider representing firm of repute. Apply P.C.B. 41/6, Office of this Paper.

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TRAVELLER, with sound connection, is open to arrange for carrying of Tablets, etc., on Irish ground. Write "Home Products" (205/38), Office of this Paper.

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Amber Squares, as used for Army Field Panniers

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5-oz.	111 gross
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8-oz.	120 ,,
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2/6 ...	,, INHALANT*	24 -
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2/9 ...	,, CATARMEL	26/5
5/- ...	,, ,, ...	48/-
2/9 ...	,, CATARRH POWDER ...	26 5

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THE

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FOR FURTHER INFORMATION
WRITE
THE PUBLISHER
The Chemist & Druggist
42 Cannon Street
London, E.C. 4.
(Established 1859)

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., New Street Square, E.C. 4; and Published by the Proprietors, Morgan Brothers (Publishers), Ltd., at 42 Cannon Street, in the City of London.—*December* 11, 1920. [124]

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